

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE 07		PAGE OF PAGES 1 4																													
2. AMENDMENT/MODIFICATION NO. 1		3. EFFECTIVE DATE SEP 25 1996		4. REQUISITION/PURCHASE REQ. NO. See attached Accounting & Appropriation Schedule		5. PROJECT NO. (If applicable)																													
6. ISSUED BY CODE		GP22M		7. ADMINISTERED BY (If other than Item 6) CODE		GP22M																													
Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, AL 35812				Sherri W. Stroud																															
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) LOCKHEED MARTIN ENGINEERING & SCIENCES COMPANY (LMESC) 2625 Bay Area Blvd Houston, TX 77058 C/O P.O. BOX 240006 HUNTSVILLE, AL 35824-6406 ATTN: F. BARNES				(x)																															
				9A. AMENDMENT OF SOLICITATION NO.																															
				9B. DATED (SEE ITEM 11)																															
				10A. MODIFICATION OF CONTRACT/ORDER NO. NAS8-44000																															
CODE 51017 FACILITY CODE				X																															
				10B. DATED (SEE ITEM 13) 8-19-96																															
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS																																			
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:																																			
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.																																			
12. ACCOUNTING AND APPROPRIATION DATA (If required) See attached Accounting & Appropriation Schedule																																			
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.																																			
(x) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.																																			
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).																																			
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:																																			
D. OTHER (Specify type of modification and authority)																																			
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.																																			
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Negotiated Estimated Cost</th> <th>Provisional Est Cost</th> <th>Award Fee Earned</th> <th>Potential Award Fee</th> <th>Base Contract Value</th> <th>Amount Allotted</th> </tr> </thead> <tbody> <tr> <td>Previous Amt</td> <td>\$84,869,759</td> <td>\$0</td> <td>\$0</td> <td>\$4,139,977</td> <td>\$89,009,736</td> <td>\$3,244,804</td> </tr> <tr> <td>This Mod</td> <td>-0-</td> <td>-0-</td> <td>-0-</td> <td>-0-</td> <td>-0-</td> <td>3,356,850</td> </tr> <tr> <td>New Total</td> <td>\$84,869,759</td> <td>\$0</td> <td>\$0</td> <td>\$4,139,977</td> <td>\$89,009,736</td> <td>\$6,601,654</td> </tr> </tbody> </table>									Negotiated Estimated Cost	Provisional Est Cost	Award Fee Earned	Potential Award Fee	Base Contract Value	Amount Allotted	Previous Amt	\$84,869,759	\$0	\$0	\$4,139,977	\$89,009,736	\$3,244,804	This Mod	-0-	-0-	-0-	-0-	-0-	3,356,850	New Total	\$84,869,759	\$0	\$0	\$4,139,977	\$89,009,736	\$6,601,654
	Negotiated Estimated Cost	Provisional Est Cost	Award Fee Earned	Potential Award Fee	Base Contract Value	Amount Allotted																													
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New Total	\$84,869,759	\$0	\$0	\$4,139,977	\$89,009,736	\$6,601,654																													
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.																																			
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)																															
				Sherri W. Stroud Contracting Officer																															
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA ORIGINAL SIGNED BY: BY SHERRI W. STROUD (Signature of Contracting Officer)		16C. DATE SIGNED SEP 19 1996																													
(Signature of person authorized to sign)																																			

This modification is issued to provide incremental funding in the amount of \$3,356,850 and to adjust the period of performance accordingly.

Article B.6 Contract Funding is deleted in it's entirety and replaced as follows:

B.6 CONTRACT FUNDING (1852.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$6,293,588. This allotment is for Utilization Mission Support and covers the following estimated period of performance: date of contract award through November 30, 1996.

(b) An additional amount of \$308,066 is obligated under this contract for payment of fee.

(c) Recapitulation of funding is as follows:

	<u>Previous</u>	<u>This Action</u>	<u>Total</u>
Estimated Cost	\$3,093,235-	\$3,200,353	\$6,293,588
Earned Award Fee	-0-	-0-	-0-
Provisional Award Fee	151,569	156,497	\$ 308,066
Total Sum Allotted	\$3,244,804	\$3,356,850	\$6,601,654

(End of clause)

Accounting and Appropriation Data

DCN	ACCOUNTING CLASSIFICATION	AMOUNT
I-4-EO-92603 S2 (1F)	N/A	\$0
P-5-EO-06041 (1F)	805/60111 992-00-00-T585-EM-5-00M-041-2522	\$7,000
P-5-EO-06844 S3 (1F)	805/60111 902-40-30-T585-EO-5-00M-C21-2522	\$23,000
P-5-EO-06994 S3 (1F)	805/60111 902-40-30-T585-EO-5-00M-C61-2522	\$81,030
P-5-EO-07055 (1F)	805/60111 902-40-30-T585-EO-5-00M-J61-2522	\$50,000
P-6-EO-06014 (1F)	806/70111 926-82-10-T585-EO-6-00M-G03-2522	\$16,428
P-6-EO-06015 (1F)	806/70111 926-82-10-T585-EO-6-00M-G04-2522	\$11,183
P-6-EO-06018 (1F)	806/70111 250-41-47-T585-EO-6-00M-H03-2522	\$10,267
P-6-EO-06019 (1F)	806/70111 250-41-47-T585-EO-6-00M-H04-2522	\$8,390
P-6-EO-06948 S2 (1F)	806/70111 250-41-22-T585-EO-6-00M-948-2522	\$4,200
P-6-EO-06996 (1F)	806/70111 926-82-10-T485-EO-6-00M-996-2550	\$110,000
P-6-EO-07030 (1F)	806/70111 953-36-00-T585-EO-6-00M-Q01-2522	\$42,835
P-6-EO-07031 (1F)	806/70111 953-36-00-T585-EO-6-00M-Q03-2522	\$26,106
P-6-EO-07043 (1F)	806/70111 250-41-22-T585-EO-6-00M-H12-2522	\$1,767
P-6-EO-07044 (1F)	806/70111 250-41-22-T585-EO-6-00M-H11-2522	\$33,003
P-6-EO-07053 (1F)	806/70111 902-40-30-T585-EO-6-00M-J61-2522	\$320,000
P-6-EO-08705 (1F)	806/70111 479-41-00-T585-EO-6-00M-705-2522	\$181,150
P-6-EO-08729 (1F)	806/70111 926-82-10-T585-EO-6-00M-729-2522	\$53,646
W-5-EO-09200 S5 (1F)	805/60110 587-11-02-T585-EO-5-00S-U01-2522	\$37,824
W-5-EO-92535 S4 (1F)	805/60110 959-35-50-T585-EO-5-00S-C01-2522	\$55,179
W-6-EO-00488 S2 (1F)	806/70110 455-40-31-T585-EO-6-00S-488-2522	\$1,190
W-6-EO-06035 (1F)	806/70110 455-40-31-T585-EO-6-00S-035-2522	\$10,716
W-6-EO-06043 (1F)	806/70110 963-60-35-T585-EO-6-00S-043-2522	\$112,725
W-6-EO-07022 (1F)	806/70110 455-40-31-T485-EO-6-00S-022-2550	\$410,000
W-6-EO-06021 (1F)	806/70110 455-40-31-T585-EO-6-00S-L02-2522	\$30,393
W-6-EO-06022 (1F)	806/70110 455-40-31-T585-EO-6-00S-L03-2522	\$4,182
W-6-EO-07032 (1F)	806/70110 315-60-42-T585-EO-6-00S-J83-2522	\$6,733
W-6-EO-07033 (1F)	806/70110 315-60-42-T585-EO-6-00S-J51-2522	\$364,974
W-6-EO-07034 (1F)	806/70110 963-60-35-T585-EO-6-00S-J82-2522	\$6,733
W-6-EO-07035 (1F)	806/70110 963-60-35-T585-EO-6-00S-J20-2522	\$153,897
W-6-EO-07036 (1F)	806/70110 428-33-09-T585-EO-6-51S-M04-2522	\$2,977
W-6-EO-07037 (1F)	806/70110 428-33-09-T585-EO-6-51S-M03-2522	\$7,473
W-6-EO-07038 (1F)	806/70110 428-33-09-T585-EO-6-51S-M01-2522	\$95,791
W-6-EO-07045 (1F)	806/70110 875-50-30-T585-EO-6-00S-J21-2522	\$9,620
W-6-EO-07046 (1F)	806/70110 875-50-30-T585-EO-6-00S-J61-2522	\$78,056
W-6-EO-07048 (1F)	806/70110 959-35-30-T585-EO-6-00S-J12-2522	\$2,913
W-6-EO-07049 (1F)	806/70110 959-35-30-T585-EO-6-00S-J44-2572	\$2,232
W-6-EO-07050 (1F)	806/70110 959-35-30-T585-EO-6-00S-J16-2572	\$19,193
W-6-EO-07051 (1F)	806/70110 963-10-00-T585-EO-6-22S-J99-2522	\$43,500
W-6-EO-08705 (1F)	806/70110 455-40-31-T585-EO-6-00S-705-2522	\$5,589
P-6-EO-07057 (1F)	806/70111 926-82-10-T585-EO-6-00M-057-2522	\$56,384
P-6-EO-07081 (1F)	806/70111 250-41-47-T585-EO-6-00M-081-2522	\$200,000
P-6-EO-08713 (1F)	806/70111 479-41-00-T585-EO-6-00M-713-2522	\$165,000
W-6-EO-08713 (1F)	806/70110 455-40-31-T585-EO-6-00S-713-2522	\$5,740
W-6-EO-07056 (1F)	806/70110 959-35-30-T585-EO-6-00S-P06-2522	\$41,786
W-6-EO-07048 S1(1F)	806/70110 959-35-30-T585-EO-6-00S-J12-2522	\$18,857

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W-6-EO-07049 S1(1F)	806/70110 959-35-30-T585-EO-6-00S-J44-2572	\$15.867
W-6-EO-07050 S1(1F)	806/70110 959-35-30-T585-EO-6-00S-J16-2572	\$31.734
W-6-14-06034 (1F)	806/70110 455-40-31-T585-EO-6-00S-034-2522	\$59.244
W-6-EO-06044 (1F)	806/70110 455-40-31-T585-EO-6-00S-044-2522	\$20.750
W-6-EO-06045 (1F)	806/70110 455-40-31-T585-EO-6-00S-045-2522	\$4.000
P-6-EO-06046 (1F)	806/70111 902-40-30-T585-EO-6-00M-046-2522	\$3.720
W-6-EO-08753 (1F)	806/70110 455-40-31-T585-EO-6-00S-753-2522	\$105.000
W-6-EO-06980 S4 (1F)	806/70110 875-50-30-T585-EO-6-00S-980-2522	\$21.414
P-6-EO-06048 (1F)	806/70111 926-82-10-T585-EO-6-00M-048-2522	\$1.600
W-6-EO-06020 S1(1F)	806/70110 455-40-31-T585-EO-6-00S-L01-2522	\$60.250
W-6-EO-06040 (1F)	806/70110 455-40-31-T585-EO-6-00S-040-2522	\$2,862
W-6-EO-06070 (1F)	806/70110 455-40-31-T585-EO-6-00S-070-2522	\$3,212
W-6-EO-06047 (1F)	806/70110 455-40-31-T585-EO-6-00S-047-2522	\$23,100
P-6-EO-06047 (1F)	806/70111 926-82-10-T585-EO-6-00M-047-2522	\$2,770
W-6-EO-06053 (1F)	806/70110 963-60-35-T585-EO-6-00S-053-2522	\$5,747
W-6-EO-06056 (1F)	806/70110 963-60-35-T585-EO-6-00S-056-2522	\$3,738
W-6-EO-00481 (1F)	806/70110 455-40-31-T585-EO-6-00S-481-2522	\$18,620
W-6-EO-06060 (1F)	806/70110 455-40-31-T585-EO-6-00S-060-2522	\$22,636
W-6-EO-06042 (1F)	806/70110 455-40-31-T585-EO-6-00S-042-2522	\$5,050
W-6-EO-06069 (1F)	806/70110 455-40-31-T585-EO-6-00S-069-2522	\$1,100
W-6-EO-08755 (1F)	806/70110 455-40-31-T585-EO-6-00S-755-2522	\$14,774
TOTAL		\$3,356,850

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING DO-A7	PAGE OF PAGE 1 256		
2. CONTRACT NO. (Proc. Inst. Ident.) NO. NASS-44000		3. EFFECTIVE DATE August 19 1996		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. *See Paragraph G-9			
5. ISSUED BY: Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, AL 35812		CODE GP20		6. ADMINISTERED BY (if other than item 5) Earl Pendley/GP24N/205-544-2949			
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP code) LOCKHEED MARTIN ENGINEERING & SCIENCES COMPANY (LMESC) 2625 Bay Area Blvd Houston, TX 77058				8. DELIVERY <input checked="" type="checkbox"/> FOB ORIGIN x OTHER (See 8)			
				9. DISCOUNT FOR PROMPT PAYMENT N/A			
				10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ITEM G-1			
CODE 2B877		FACILITY CODE		ADDRESS SHOWN IN:			
11. SHIP TO/MARK FOR See F.2		CODE		12. PAYMENT WILL BE MADE BY: CODE BF52 Financial Management Office George C. Marshall Space Flight Center, NASA Marshall Space Flight Center, AL 35812			
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()				14. ACCOUNTING AND APPROPRIATION DATA See G.9			
15A. ITEM NO.	15B. SUPPLIES/SERVICES		15C. QTY	15D. UNIT	15E. UNIT PRICE		
	See page 2.						
15G. TOTAL ESTIMATED AMOUNT OF CONTRACT					\$ 89,009,731		
16. TABLE OF CONTENTS							
N	SEC.	DESCRIPTION	PAGE(S)	N	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
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x	B	SUPPLIES OR SERVICES AND PRICES/COSTS	5	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS			
x	C	DESCRIPTIONS/SPECS./WORK STATEMENTS	2	x	J	LIST OF ATTACHMENTS	202
x	D	PACKAGING AND MARKING	2	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
x	E	INSPECTION AND ACCEPTANCE	2		K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
x	F	DELIVERIES OR PERFORMANCE	5		L	INSTRS. CONDS. AND NOTICES TO OFFERORS	
x	G	CONTRACT ADMINISTRATION DATA	8		M	EVALUATION FACTORS FOR AWARD	
x	H	SPECIAL CONTRACT REQUIREMENTS	12				
CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE							
17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return <u>3</u> copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.			
19A. NAME AND TITLE OF SIGNER (Type or print) T. GERALD STAFFORD MANAGER Business Development				20A. NAME OF CONTRACTING OFFICER Stephen P. Beale			
19B. NAME OF CONTRACTOR LOCKHEED MARTIN ENGINEERING & SCIENCES COMPANY				20B. UNITED STATES OF AMERICA			
BY (Signature of person authorized to sign)				BY (Signature of Contracting Officer)			
19C. DATE SIGNED 22 Jul 96				20C. DATE SIGNED 8/13/96			

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 SUPPLIES AND/OR SERVICES TO BE FURNISHED (1852.210-72) (DEC 1988)

The Contractor shall provide all resources (except as may be expressly stated in this contract as furnished by the Government) necessary to perform and provide:

"Utilization and Mission Support" (UMS)

(End of clause)

B.2 ESTIMATED COST AND AWARD FEE (1852.216-85) (SEP 1993)

(a) The estimated cost of this contract is \$ 44,869,759. The maximum available award is \$ 4,139,977. Total estimated cost and maximum award fee are \$ 89,009,736. It is expected that this contract will contain no base fee.

(b) Breakout of contract cost and fees is as follows:

<u>Period Covered</u>	<u>Estimated Cost</u>	<u>Maximum Award Fee</u>	<u>Earned Award Fee</u>	<u>Total Contract Value</u>
8/19/96 - 8/18/99	<u>6,165,253</u>	<u>3,217,748</u>		<u>64,383,001</u>

(c) Estimated cost and fees applicable to each option period are set forth below:

<u>Option No.</u>	<u>Period Covered</u>	<u>Estimated Cost</u>	<u>Maximum Award Fee</u>	<u>Total Option Value</u>
1	8/19/99 - 8/18/00	<u>11,843,357</u>	<u>479,669</u>	<u>12,363,026</u>
2	8/19/00 - 8/18/01	<u>11,821,149</u>	<u>442,560</u>	<u>12,263,709</u>

(End of clause)

B.3 AWARD FEE FOR SERVICE CONTRACTS (1852.216-76) (SEP 1993)

(a) The Contractor can earn award fee from a minimum of zero dollars to the maximum stated in NASA FAR Supplement clause 1852.216-85, "Estimated Cost and Award Fee" in this contract.

(b) Beginning 6 months after the effective date of this contract, the Government shall evaluate the Contractor's performance every 6 months to determine the amount of award fee earned by the Contractor during the period. The Contractor may submit a self-evaluation of performance for each evaluation period under consideration. These self-evaluations will be considered by the Government in its evaluation. The Government Fee Determination Official (FDO) will determine the award fee amounts based on the Contractor's performance in accordance with "MSFC CPAF Evaluation Plan for General Mission Services". The plan may be revised unilaterally by the Government prior to the beginning of any rating period to redirect emphasis.

(c) The Government will advise the Contractor in writing of the evaluation results. The Contracting Officer will issue a unilateral modification to the contract that will recognize the award fee earned. The Contractor is not required to submit a separate voucher for earned award fee. The MSFC payment office will make payment based on the unilateral modification.

(d) The amount of award fee which can be awarded in each evaluation period is limited to the amounts set forth at Article B.4. Award fee which is not earned in an evaluation period cannot be reallocated to future evaluation periods.

(e) Award fee determinations made by the Government under this contract are not subject to the Disputes clause.

(End of clause)

B.4 AWARD FEE AND PAYMENTS OF FEES

(a) Award Fee Evaluation

(1) The Contractor's performance hereunder shall be evaluated semiannually (or at intervals to be fixed by the Fee Determination Official) by the Performance Evaluation Board composed of individuals appointed by the MSFC Center Director. This Board, after evaluating Contractor performance, will report findings and recommendations to the Fee Determination Official. This Official will determine whether, and to what extent, the Contractor's performance for the preceding six months warrants payment of a pro rata share of the potential award fee provided for in Section B.2 of this contract entitled "Estimated Cost and Award Fee."

(2) Evaluations by the Performance Evaluation Board shall be in accordance with "MSFC CPAF Evaluation Plan for General Mission Services".

(3) The Performance Evaluation Board report of findings shall be in writing and shall be furnished to the Contractor by the Contracting Officer. The report of findings shall set forth the reasons for concluding that the award fee was or was not earned, so that the Contractor will know those areas of its operations which are exemplary or which require improvement. Fee Determinations by the Fee Determination Official shall not be subject to the "Disputes" clause of this contract and shall be final, except that nothing in this clause shall be construed as making final the decision of the Fee Determination Official on a matter involving a question of law.

(4) The award fee shall be subject to the limitations set forth in the "Limitation of Funds" clause of this contract.

(b) Payment of Fees

(1) This contract will contain no base fee.

(2) Fifty percent (50%) of the potential award fee shall be provisionally paid to the Contractor in periodic installments based upon percentage of work completed as determined by the Contracting Officer. In the event that the actual award fee, as determined by the Fee Determination Official, is less than the provisional payment, the Contractor will either reimburse the difference or credit the next payment voucher for the amount of such overpayment.

(3) ~~Award fee that is determined to be payable by the Fee Determination Official under the contract shall be paid to the Contractor from the fee and shall be a portion of award to the Contractor from the Contracting Officer and submission of an invoice or public voucher by the Contractor.~~

(4) In the event this contract is terminated prior to a regularly scheduled semiannual award determination, the award fee to be paid the Contractor shall be an appropriate portion of the potential award if any, as may be determined by the Fee Determination Official plus a pro rata share of the base fee based on work accomplished.

(5) The amount of award fee which has been awarded pursuant to this clause and the period to which said fee applies is set forth below.

<u>Award Fee Period</u>	<u>Amount</u>
(To be filled in following award fee determinations)	

(End of clause)

B.5 PREMIUM FOR SCHEDULED OVERTIME (MSFC 52.222-93) (AUG 1988)

Pursuant to the clause entitled "Payment for Overtime Premiums," the amount of overtime premium authorized shall not exceed the amount specified below for the indicated period.

<u>Amount</u>	<u>Period</u>
---------------	---------------

*To be completed after contract award

(End of clause)

B.6 CONTRACT FUNDING (1852.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$3,093,235. This allotment is for Utilization Mission Support and covers the following estimated period of performance: date of contract award through September 30, 1996.

(b) An additional amount of \$151,569 is obligated under this contract for payment of fee.

(c) Recapitulation of funding is as follows:

	<u>Previous</u>	<u>This Action</u>	<u>Total</u>
Estimated Cost	-0-	\$3,093,235	\$3,093,235
Earned Award Fee	-0-		
Provisional Award Fee	-0-	151,569	151,569
Total Sum Allotted	-0-	\$3,244,804	\$3,244,804

(End of clause)

B.7 ALLOWABLE ITEMS OF COST (MSFC 52.242-93) (AUG 1991)

(a) In accordance with advance agreement between the Government and the Contractor for this contract, allowable costs for the items listed below are subject to the ceilings shown:

Ceilings on General and Administrative Cost *by Calendar Year*

	1996	1997	1998	2000	2001
<i>Lockheed Martin</i>					

Reference June 24, 1996 Submission, page II-1-28.

(b) It is mutually agreed that when indirect cost rate ceilings are specified, (1) the Government shall not be obligated to pay any additional amount should the final indirect cost rates exceed the negotiated ceiling rates and, (2) in the event the final indirect cost rates are less than the negotiated ceiling rates, the negotiated rates shall be reduced to conform with the lower rates.

(End of clause)

B.8 CONTRACT EXTENSION RESULTING FROM PROTESTS

(a) If the award of a successor contract to perform the services being performed under this contract delayed because of a protest, the Contracting Officer may extend the period of performance on this contract to cover any delay caused by such a protest. The Contractor shall be entitled to an equitable adjustment for such an extension, subject to the limitations in paragraph (b).

(b) The final award fee evaluation period may be extended to include the contract extension period provided for in paragraph (a). However, if the Contractor is the protester or one of the protesters; no additional fee shall be put in the award fee pool or otherwise made available to the Contractor, unless the Contractor or another protester substantially prevails in the protest.

(End of clause)

[END OF SECTION]

SECTION C

DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

C.1 DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK (MSFC 52.210-94) (MAR 1989)

The Description/Specifications/Statement of Work is Attachment J-1.

(End of clause)

C.2 GENERAL

It is understood and agreed that the work performed under this contract is on a "Mission" basis and that the Statement of Work (SOW) is stated in broad terms in order to achieve maximum required flexibility. Detailed Government direction will be limited to the minimum necessary to assure operational requirements are met. The Contractor shall be responsible for staffing the contract with appropriate skills and numbers of personnel to assure work is performed in a high quality, timely, and cost effective manner. The Contractor's obligation under this contract shall include resolution of unusual or emergency situations or increased work volume which may occur from time to time throughout the period of performance. Work and increased work volume of this nature, e. g. mission model changes, directed of the Contractor by the Government will be by "Task Directives" from the Contracting Officer or his Representative. Services so directed shall be considered within the general scope of the contract, entirely within the Contractor's original obligation and will not constitute nor be construed as a change within the meaning of the clause of this contract entitled "Changes -- Cost Reimbursement -- Alternate II." However, if any written direction by the Government through Task Directives is considered by the Contractor to be a change to the original contractual obligation, the Contractor, before performing any effort pursuant to such Government direction, shall refer such questions to the Contracting Officer for resolution in accordance with the procedures set forth in the Technical Direction Clause (Section G.4) of this contract.

(End of Clause)

C.3 ACCESSIBILITY REQUIREMENTS FOR INDIVIDUALS WITH DISABILITIES

Special requirements for meeting the needs of individuals with disabilities shall be considered part of the scope of this contract.

In performance of the UMS mission, the contractor shall provide accessibility of information resources for individuals with disabilities in accordance with FIRMR 201-20.103.7.

(End of Clause)

[END OF SECTION]

SECTION D

PACKAGING AND MARKING

D.1 PACKAGING AND MARKING (1852.210-75) (SEP 1990) -- ALTERNATE I (SEP 1990)

(a) The Contractor shall preserve, pack, and mark for shipment all items deliverable under this contract in accordance with good commercial practices and adequate to ensure both acceptance by common carrier and safe transportation at the most economical rate(s).

(b) The Contractor's markings on shipping containers shall be clearly legible from a distance of 36 inches. The Contractor may mark by stencil, rubber stamp, or lacquer over a coated gummed label.

(c) The Contractor shall place identical requirements on all subcontracts.

(End of clause)

[END OF SECTION]

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SECTION E

INSPECTION AND ACCEPTANCE

E.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clause are hereby incorporated by reference:

- 52.246-3 Inspection of Supplies -- Cost-Reimbursement (Apr 1984)
52.246-5 Inspection of Services -- Cost-Reimbursement (Apr 1984)

(End of clause)

E.2 PLACE OF FINAL INSPECTION AND ACCEPTANCE

The place of final inspection and acceptance for deliverables under this contract shall be at FOB point as set forth in clause F.7, "Free on Board (FOB) Point".

(End of clause)

E.3 MATERIAL INSPECTION AND RECEIVING REPORT (1852.246-72) (JUN 1995))

- (a) At the time of each delivery to the Government under this contract, the Contractor shall furnish a Material Inspection and Receiving Report (DD Form 250 series) prepared in an original and three (3) copies.
- (b) The Contractor shall prepare the DD Form 250 in accordance with NASA FAR Supplement 1846.672-1. The Contractor shall enclose the copies of the DD Form 250 in the package or seal them in a waterproof envelope, which shall be securely attached to the exterior of the package in the most protected location.
- (c) When more than one package is involved in a shipment, the Contractor shall list on the DD Form 250, as additional information, the quantity of packages and the package numbers. The Contractor shall forward the DD Form 250 with the lowest numbered package of the shipment and print the words "CONTAINS DD FORM 250" on the package.

(End of Clause)

[END OF SECTION]

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SECTION F

DELIVERIES OR PERFORMANCE

F.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clauses are hereby incorporated by reference:

52.242-15 Stop-Work Order (Aug 1989) -- Alternate I (Apr 1984)
52.242-10 F.O.B. Origin -- Government Bills of Lading or Prepaid Postage (Apr 1984)
52.247-34 F.O.B. Destination (Nov 1991)
52.247-65 F.O.B. Origin, Prepaid Freight -- Small Package Shipments (Jan 1991)

(End of clause)

F.2 DELIVERY SCHEDULE (1852.212.73) (DECEMBER 1988)

The contractor shall deliver the items required to be furnished by this contract as follows:

Item No.	Description	Quantity	Delivery Date	Shipping Address
----------	-------------	----------	---------------	------------------

See Attachment J-1

*See Below

*SHIP TO: National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Attn: CN72/Transportation Officer
Building 4471
Marshall Space Flight Center, AL 35812

OTHER LOCATIONS AS APPROVED IN WRITING BY THE CONTRACTING OFFICER

(End of clause)

F.3 PERIOD OF PERFORMANCE (1852.212-74) (DEC 1988)

(a) The period of performance of this contract shall be August 19, 1996 through August 18, 1999.

(b) In the event the Government elects to exercise its option(s) pursuant to the terms of this contract, the period of performance for each option shall be as set forth below:

<u>Option No.</u>	<u>Period of Performance</u>
1	8/19/99 - 8/18/00
2	8/19/00 - 8/18/01

(End of clause)

F.4 PLACE OF PERFORMANCE (MSFC 52.237-92) (AUG 1988)

The Contractor shall perform the work under this contract at MSFC, other locations specified in the SOW, and at such other locations as may be approved in writing by the Contracting Officer.

(End of clause)

F.5 OPTION TO EXTEND SERVICES (52.217-8) (AUG 1989)

The government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within the period specified in the Schedule.

(End of clause)

F.6 SHIPMENT BY GOVERNMENT BILLS OF LADING (1852.247-73) (MAR 1989)

(a) The Contractor shall ship items deliverable under this contract, if the transportation cost per shipment exceeds \$100, by Government bills of lading (GBLs). At least 15 days before shipment, the Contractor shall request in writing GBLs from: National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Attn: CN72/Transportation Officer, Building 4471, Marshall Space Flight Center, AL 35812. If time is limited, requests may be by telephone: 205-544-4557. Requests for GBLs shall include the following information:

- (1) Item identification/description.
- (2) Origin and destination.
- (3) Individual and total weights.
- (4) Dimensions and total cubic footage.
- (5) Total number of pieces.
- (6) Total dollar value.
- (7) Other pertinent data.

(b) The Contractor shall prepay transportation charges of \$100 or less per shipment. The Government shall reimburse the Contractor for these charges if they are added to the invoice as a separate line item supported by the paid freight receipts. If paid receipts in support of the invoice are not obtainable, a certificate as described below must be completed, signed by an authorized company representative, and attached to the invoice.

"I certify that the shipments identified below have been made, transportation charges have been paid by (company name), and paid freight or comparable receipts are not obtainable.

Contract or Order Number: _____

Destination: _____

(End of clause)

F.7 OPTION TO EXTEND THE TERM OF THE CONTRACT (52.217-9) (MAR 1989)

(a) The Government may extend the term of this contract by written notice to the Contractor within the period of performance of this contract; provided, that the Government shall give the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option provision.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed five and one-half years.

(End of clause)

F.8 FREE ON BOARD (FOB) POINT

(a) The FOB point for deliverables under this contract shall be the George C. Marshall Space Flight Center, Marshall Space Flight Center, AL 35812, at the sites requiring the deliverables, or for specific items, when so directed by the Contracting Officer or his duly authorized representative, at the Contractor's facilities.

(b) Those items having the FOB point at the Contractor's facilities in accordance with (a) above shall be shipped as directed by the Contracting Officer or his duly authorized representative and in accordance with F.4 or alternately in accordance with clause 52.247-1, "Commercial Bill of Lading Notations."

F.9 SECTION 10721 RATES (MSFC 52.247-94) (OCT 1988)

The Contractor shall use carriers that offer acceptable service at reduced rates (Section 10721 rates), if available.

(End of clause)

[END OF SECTION]

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SECTION G

CONTRACT ADMINISTRATION DATA

G.1 SUBMISSION OF VOUCHERS FOR PAYMENT (1852.216-87) (DEC 1988)

(a) Public vouchers for payment of costs shall include a reference to this contract NAS8-44000 and be forwarded to:

TO: Financial Management Office/BF52
National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812

THRU: DCAA
2339 Route 70, West, NE-1
Cherry Hill, NJ 08358

This is the designated billing office for cost vouchers for purposes of the Prompt Payment clause of this contract.

* To be completed following discussions

(b) The Contractor shall prepare vouchers as follows:

(1) One original Standard Form (SF) 1034, SF 1035, or equivalent Contractor's attachment.

(2) Seven copies of SF 1034A, SF 1035A, or equivalent Contractor's attachment.

(3) The Contractor shall mark SF 1034A copies 1, 2, 3, 4, and such other copies as may be directed by the Contracting Officer by insertion in the memorandum block the names and addresses as follows:

- (i) Copy 1 NASA Contracting Officer;
- (ii) Copy 2 Auditor;
- (iii) Copy 3 Contractor;
- (iv) Copy 4 Contract administration office; and
- (v) Copy 5 Project management office.

(c) Public vouchers for payment of fee shall be prepared similarly and be forwarded to:

Financial Management Office/BF52
National Aeronautics and Space Administration —

George C. Marshall Space Flight Center
Marshall Space Flight Center, AL 35812

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(d) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

(End of clause)

**G.2 DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND
PATENT REPRESENTATIVE (1852.227-72) (APR 1984)**

(a) For purposes of administration of the clause of this contract entitled "New Technology" or "Patent Rights -- Retention by the Contractor (Short Form)," whichever is included, the following named representatives are hereby designated by the Contracting Officer to administer such clause:

New Technology Representative
Mail Code LA10
George C. Marshall Space Flight Center
National Aeronautics and Space Administration
Marshall Space Flight Center, AL 35812

Patent Representative
Chief, Intellectual Property Counsel
Mail Code CC01
George C. Marshall Space Flight Center
National Aeronautics and Space Administration
Marshall Space Flight Center, AL 35812

(b) Reports of reportable items, and disclosure of subject inventions, interim reports, final reports, utilization reports, and other reports required by the clause, as well as any correspondence with respect to such matters, should be directed to the New Technology Representative unless transmitted in response to correspondence or request from the Patent Representative. Inquiries or requests regarding disposition of rights, election of rights, or related matters should be directed to the Patent Representative. This clause shall be included in any subcontract hereunder requiring a "New Technology" clause or "Patent Rights -- Retention by the Contractor (Short Form)" clause, unless otherwise authorized or directed by the Contracting Officer. The respective responsibilities and authorities of the above-named representatives are set forth in 18-27.375-3 of the NASA FAR Supplement.

(End of clause)

**G.3 CONTRACTOR EMPLOYEE BADGING AND EMPLOYMENT
TERMINATION CLEARANCE (MSFC 52.204-90) (APR 1994)**

(a) It is anticipated that performance of the requirements of this contract will require employee access to and picture badging by the Marshall Space Flight Center. Contractor requests for badging of employees shall be by MSFC Form 1739, Contractor Badge/Decal Application. Requests for badging shall be submitted to the attention of the appointed Contracting Officer Technical Representative, for completion and approval prior to processing by the MSFC Security Division.

(b) The Contractor shall establish procedures to ensure that each badged employee is properly cleared in accordance with MSFC Form 383-1, "Contractor Employee Clearance Document," prior to finalization of employment termination.

(c) Requests for copies of MSFC Forms 383-1, and 1739 shall be directed to the MSFC Security Division, Marshall Space Flight Center, Alabama 35812.

(End of clause)

G.4 TECHNICAL DIRECTION (1852.242-70) (SEP 1993)

(a) Performance of the work under this contract is subject to the written technical direction of the Contracting Officer's Technical Representative (COTR), who shall be specifically appointed by the Contracting Officer in writing in accordance with NASA FAR Supplement 18-42.270. "Technical direction" means a directive to the Contractor that approves approaches, solutions, designs, or refinements; fills in details or otherwise completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or furnishes similar instruction to the Contractor. Technical direction includes requiring studies and pursuit of certain lines of inquiry regarding matters within the general tasks and requirements in Section J-1 of this contract.

(b) The COTR does not have the authority to, and shall not, issue any instruction purporting to be technical direction that:

- (1) Constitutes an assignment of additional work outside the statement of work;
- (2) Constitutes a change as defined in the changes clause;
- (3) Constitutes a basis for any increase or decrease in the total estimated contract cost, the fixed fee (if any), or the time required for contract performance;
- (4) Changes any of the expressed terms, conditions, or specifications of the contract; or

(5) Interferes with the Contractor's rights to perform the terms and conditions of the contract.

(c) All technical direction shall be issued in writing by the COTR.

(d) The Contractor shall proceed promptly with the performance of technical direction duly issued by the COTR in the manner prescribed by this clause and within the COTR's authority. If, in the Contractor's opinion, any instruction or direction by the COTR falls within any of the categories defined in paragraph (b) above, the Contractor shall not proceed but shall notify the Contracting Officer in writing within 5 working days after receiving it and shall request the Contracting Officer to take action as described in this clause. Upon receiving this notification, the Contracting Officer shall either issue an appropriate contract modification within a reasonable time or advise the Contractor in writing within 30 days that the instruction or direction is:

(1) Rescinded in its entirety; or

(2) Within the requirements of the contract and does not constitute a change under the Changes clause of the contract, and that the Contractor should proceed promptly with its performance.

(e) A failure of the Contractor and Contracting Officer to agree that the instruction or direction is both within the requirements of the contract and does not constitute a change under the Changes clause, or a failure to agree upon the contract action to be taken with respect to the instruction or direction, shall be subject to the Disputes clause of this contract.

(f) Any action(s) taken by the Contractor in response to any direction given by any person other than the Contracting Officer or the COTR shall be at the Contractor's risk.

(End of clause)

G.5 LIST OF GOVERNMENT-FURNISHED PROPERTY (1852.245-76) (OCTOBER 1988)

For performance of work under this contract, the Government will make available Government property identified below or in Attachment J-7 of this contract on a no-charge-for-use basis. The Contractor shall use this property in the performance of this contract at Marshall Space Flight Center and at other location(s) as may be approved by the Contracting Officer. Under the FAR 52.245 Government property clause of this contract, the Contractor is accountable for the identified property.

(End of clause)

G.6 LIST OF INSTALLATION-PROVIDED PROPERTY AND SERVICES
(1852.245-77) (MAR 1989)

In accordance with the Installation-Provided Government Property clause of this contract, the Contractor is authorized use of the types of property and services listed below, and to the extent they are available, while on-site at the NASA installation.

(a) Office space, work area space, and utilities. The Contractor shall use Government telephones for official purposes only. Pay telephone stations are available for the convenience and use of employees in making unofficial calls, both local and long distance.

(b) General- and special-purpose equipment, including office furniture.

(1) Equipment to be made available to the Contractor for use in performance of this contract on-site and at such other locations as approved by the Contracting Officer is listed in Attachment J-8. The Government retains accountability for this property under the Installation-Provided Government Property clause, regardless of its authorized location.

(2) If the Contractor acquires property as a direct cost under this contract, this property also shall become accountable to the Government upon its entry into the NASA Equipment Management System (NEMS) in accordance with the property-reporting requirements of this contract.

(3) The Contractor shall not bring on-site for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.

(c) Supplies from stores stock.

(d) Publications and blank forms stocked by the installation.

(e) Safety and fire protection for Contractor personnel and facilities.

(f) Installation service facilities: See Attachment J-8.

(g) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.

(h) Cafeteria privileges for Contractor employees during normal operating hours.

(i) Building maintenance for facilities occupied by Contractor personnel.

(j) Moving and hauling for office moves, movement of large equipment, and delivery of supplies. Moving services shall be provided on-site, as approved by the Contracting Officer.

(k) The responsibilities of the Contractor as contemplated by paragraph (a) of the Installation-Provided Government Property clause are defined in the following property management directives and installation supplements to these Directives:

- (1) NHB 4200.1, NASA Equipment Management Manual.
- (2) NHB 4200.2, NASA Equipment Management System (NEMS) User's Guide for Property Custodians.
- (3) NHB 4300.1, NASA Personal Property Disposal Manual.
- (4) NHB 4100.1, NASA Materials Inventory Management Manual.

(End of clause)

G.7 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (52.222-42)
(MAY 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

THIS STATEMENT IS FOR INFORMATION ONLY:
IT IS NOT A WAGE DETERMINATION

A. Classification, Grade, Rates

<u>Classification</u>	<u>Grade</u>	<u>Rate</u>
Computer Operator III	GS-06	10.78
Computer Operator V	GS-08	13.26
Computer Programmer I	GS-05	9.67
Computer Programmer III	GS-09	14.65
Computer Programmer IV	GS-11	17.73
Computer Systems Analyst II	GS-11	17.73
Computer Systems Analyst III	GS-12	21.25
Electronics Technician, Maintenance III	WG-10	12.47
Engineering Technician II	GS-04	8.64
Engineering Technician IV	GS-07	11.98
Engineering Technician VI	GS-11	17.73
Material Coordinator	WG-07	10.97
Secretary I	GS-04	8.64
Secretary III	GS-06	10.78
Secretary IV	GS-07	11.98
Technical Writer	GS-11	17.73

B. Fringe Benefits (applicable to all classifications)

1. Insurance and Health Programs

Life, accident, and health insurance and sick leave programs (5.1 percent of basic hourly rate).

2. Holidays

- a. New Year's Day
- b. Martin Luther King, Jr. Day
- c. Presidents' Birthday Day
- d. Memorial Day
- e. Independence Day
- f. Labor Day
- g. Columbus Day
- h. Veterans Day
- i. Thanksgiving Day
- j. Christmas Day

3. Vacation or Paid Leave

- a. 2 hours of annual leave each week for an employee with less than three years of service.
- b. 3 hours of annual leave each week for an employee with less than fifteen years of service.
- c. 4 hours of annual leave each week for an employee with fifteen or more years of service.

4. Retirement

1.5 percent of basic hourly rate plus Thrift Saving Plan plus Social Security.

(End of clause)

G.8 ASSIGNMENT OF THIS CONTRACT

At the direction of the Government, this entire contract or any portion of the contract, may be assigned or transferred from NASA to another Government agency or to a different Prime Contractor, at any time during performance of the contract during the option periods. If the provisions of this contract need to be modified to fit the new arrangement, the parties agree to negotiate such changes in good faith (with each other and with any new contracting party). As a last resort, the contracting officer may issue unilateral modifications (subject to equitable adjustments) to make this contract fit the post-assignment contractual relationships.

(End of clause)

G.9 CONTINUATION OF STD. FORM 26 DATA (MSFC 52.204-93) (AUG 1988)

P-6-EO-06005 (1F)	479-41-00-T585-EO-6-00M-K01-2522	\$1,096,322.00
P-6-EO-06007 (1F)	479-41-00-T585-EO-6-00M-K03-2522	\$ 167,733.00
P-6-EO-06008 (1F)	479-44-00-T585-EO-6-00M-K05-2522	\$ 347,272.00
P-6-EO-06012 (1F)	926-82-10-T585-EO-6-00M-G01-2522	\$ 553,133.00
P-6-EO-06013 (1F)	926-82-10-T585-EO-6-00M-G02-2522	\$ 146,859.00
P-6-EO-06016 (1F)	250-41-47-T585-EO-6-00M-H01-2522	\$ 317,824.00
P-6-EO-06017 (1F)	250-41-47-T585-EO-6-00M-H02-2522	\$ 53,963.00
W-6-EO-06020 (1F)	455-40-31-T585-EO-6-00S-L01-2522	\$ 505,788.00
W-6-EO-06023 (1F)	455-40-31-T585-EO-6-00S-L04-2522	\$ 55,910.00

(End of clause)

[END OF SECTION]

SECTION H

SPECIAL CONTRACT REQUIREMENTS

H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clauses are hereby incorporated by reference:

- 1852.208-81 Restrictions on Printing and Duplicating (Aug 1993)
- 1852.228-75 Minimum Insurance Coverage (Oct 1988)
- 1852.242-71 Travel Outside of the United States (Dec 1988)

(End of clause)

H.2 ASBESTOS MATERIAL (MSFC 52.223-90) (MAR 1993)

During performance of this contract, Contractor personnel performing work in MSFC buildings may come in contact with materials containing asbestos. MSFC Buildings 4200, 4201, 4202, 4663 and 4666 are of special concern since they are known to contain a sprayed on fire insulation on or above the ceiling, usually located on the metal or concrete structure of the buildings. These buildings and all other MSFC buildings may contain asbestos in floor tile, pipe and lagging insulation, exterior siding, roofing felt, and many other building materials. Prior to disturbing suspected asbestos material in any manner, the Contractor shall notify representatives of the Environmental Health Office, an office within the MSFC Medical Center, for guidance. Contractor shall be responsible for ensuring that all Contractor personnel working onsite are made aware of and comply with this clause.

(End of clause)

H.3 APPROVAL OF CONTRACT (52.204-1) (DEC 1989)

This contract is subject to the written approval of MSFC Procurement Officer and shall not be binding until so approved.

(End of clause)

H.4 LIMITATION OF FUTURE CONTRACTING (1852.209-71) (DEC 1988)

(a) The Contracting Officer has determined that this acquisition may give rise to a potential organizational conflict of interest. Accordingly, the attention of prospective offerors is invited to FAR Subpart 9.5: Organizational Conflicts of Interest.

(b) The nature of this conflict is TBD.

(c) The restrictions upon future contracting are as follows:

(1) If the Contractor, under the terms of this contract, or through the performance of tasks pursuant to this contract, is required to develop specifications or statements of work that are to be incorporated into a solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime or first-tier subcontractor under an ensuing NASA contract. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the Contractor, sufficient to avoid unfair competitive advantage or potential bias (this time shall in no case be less than the duration of the initial production contract). NASA shall not unilaterally require the Contractor to prepare such specifications or statements of work under this contract.

(2) To the extent that the work under this contract requires access to proprietary, business confidential, or financial data of other companies, and as long as these data remain proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with those other companies.

(End of clause)

H.5 KEY PERSONNEL AND FACILITIES (1852.235-71) (MARCH 1989)

(a) The personnel and/or facilities listed below are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the Contractor shall (1) notify the Contracting Officer reasonably in advance and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.

(b) The Contractor shall make no diversion without the Contracting Officer's written consent; provided, that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.

(c) The list of personnel and/or facilities shown below may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

KEY PERSONNEL:

POSITION/TITLE

(End of clause)

H.6 EMERGENCY EVACUATION PROCEDURES (1852.237-70) (DEC 1988)

The Contractor shall assure that its personnel at Government facilities are familiar with the functions of the Government's emergency evacuation procedures. If requested by the Contracting Officer, the Contractor shall designate an individual or individuals as contact points to provide for efficient and rapid evacuation of the facility if and when required.

(End of clause)

H.7 SECURITY REQUIREMENTS FOR UNCLASSIFIED AUTOMATED INFORMATION RESOURCES (1852.204-76) (SEP 1993)

(a) In addition to complying with any functional and technical security requirements set forth in the schedule and the clauses of this contract, the Contractor shall initiate personnel screening checks and obtain user responsibility agreements, as required by this clause, for each Contractor employee requiring unescorted or unsupervised physical access or electronic access to the following limited or controlled areas, systems, programs and data:

HOSC
PCTC
DAAC
HTAL

(1) The Contractor shall submit a personnel security questionnaire (NASA Form 531, Name Check Request, for National Agency Check (NAC) investigations and Standard Form 85P, Questionnaire for Public Trust Positions, for specified sensitive positions) and a Fingerprint Card (FD-258 with NASA overprint in Origin Block) to the installation Security Officer for each Contractor employee who requires access. The required forms may be obtained from the installation security office. Employees may have finger-prints taken at the MSFC Security Guard Headquarters, Building 4312, or at any police department.

(i) Several months may be required for completion of complex personnel screening investigations. Background screening may not be required for employees with recent or current Federal Government investigations.

(ii) When employee access is necessary prior to completion of personnel screening, each Contractor employee requiring access may be considered for escorted access. The installation Security Officer will establish the eligibility of proposed escorts.

(2) The Contractor shall ensure that each Contractor employee requiring access executes any user responsibility agreements required by the Government prior to access. The Contractor shall provide signed copies of the agreements to the installation Security Officer for inclusion in the employee's security file. Unauthorized

(1) If the Contractor, under the terms of this contract, or through the performance of tasks pursuant to this contract, is required to develop specifications or statements of work that are to be incorporated into a solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime or first-tier subcontractor under an ensuing NASA contract. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the Contractor, sufficient to avoid unfair competitive advantage or potential bias (this time shall in no case be less than the duration of the initial production contract). NASA shall not unilaterally require the Contractor to prepare such specifications or statements of work under this contract.

(2) To the extent that the work under this contract requires access to proprietary, business confidential, or financial data of other companies, and as long as these data remain proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with those other companies.

(End of clause)

H.5 KEY PERSONNEL AND FACILITIES (1852.235-71) (MARCH 1989)

(a) The personnel and/or facilities listed below are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the Contractor shall (1) notify the Contracting Officer reasonably in advance and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.

(b) The Contractor shall make no diversion without the Contracting Officer's written consent; provided, that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.

(c) The list of personnel and/or facilities shown below may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

KEY PERSONNEL:

POSITION/TITLE

(End of clause)

access is a violation of law and punishable under the provisions of 18 U.S.C. 1029, 18 U.S.C. 1030 and other applicable statutes.

(3) The Contractor shall notify the installation AIS Manager no later than the end of the day of the termination for cause of an authorized employee's access. The Contractor shall notify the COTR no later than 10 days after an authorized employee no longer requires access for any other type of termination. Verbal notifications shall be confirmed in writing within 30 days.

(b) The Contractor shall incorporate this clause in all subcontracts where the requirements identified in paragraph (a) are applicable to performance of the subcontract.

(End of clause)

**H.8 SECURITY PLAN FOR UNCLASSIFIED FEDERAL COMPUTER SYSTEMS
(1852.204-78) (SEP 1993)**

In addition to complying with any functional and technical security requirements set forth in the Schedule and the clauses of this contract, the Contractor shall comply with the Security Plan for Unclassified Federal Computer Systems submitted pursuant to provision 1852.204-77, Submission of Security Plan For Unclassified Federal Computer Systems, as approved by the Contracting Officer.

(End of clause)

H.9 PROCUREMENT AUTHORITY (201-39.5202-3) (OCT 1990 FIRMR)

This acquisition is being conducted under a specific acquisition delegation of GSA's exclusive procurement authority for FIP resources. The specific GSA DPA case number is KAA-95-0136.

(End of clause)

H.10 PRIVACY OR SECURITY SAFEGUARDS (201-39.5202-5) (OCT 1990 FIRMR)

(a) The details of any safeguards the Contractor may design or develop under this contract are the property of the Government and shall not be published or disclosed in any manner without the Contracting Officer's express written consent.

(b) The details of any safeguards that may be revealed to the Contractor by the Government in the course of performance under this contract shall not be published or disclosed in any manner without the Contracting Officer's express written consent.

(c) The Government shall be afforded full, free, and uninhibited access to all facilities, installations, technical capabilities, operations, documentation, records, and data bases for the purpose of carrying out a program of inspection to ensure continued efficacy

and efficiency of safeguards against threats and hazards to data security, integrity, and confidentiality.

(d) If new or unanticipated threats or hazards are discovered by either the Government or the Contractor, or if existing safeguards have ceased to function, the discoverer shall immediately bring the situation to the attention of the other party. Mutual agreement shall then be reached on changes or corrections to existing safeguards or institution of new safeguards, with final determination of appropriateness being made by the Government. The Government's liability is limited to an equitable adjustment of cost for such changes or corrections, and the Government shall not be liable for claims of loss of business, damage to reputation, or damages of any other kind arising from discovery of new or unanticipated threats or hazards, or any public or private disclosure thereof.

(End of clause)

H.11 WARRANTY EXCLUSION AND LIMITATION OF DAMAGES
(201-39.5202-6) (OCT 1990 FIRMR)

Except as expressly set forth in writing in this agreement and except for the implied warranty of merchantability, there are no warranties expressed or implied.

In no event will the Contractor be liable to the Government for consequential damages as defined in the Uniform Commercial Code, Section 2-715, in effect in the District of Columbia as of January 1, 1973; i.e.:

Consequential damages resulting from the seller's breach include:

(a) Any loss resulting from general or particular requirements and needs of which the seller at the time of contracting had reason to know and which could not reasonably be prevented by cover or otherwise and

(b) Injury to person or property proximately resulting from any breach of warranty.

(End of clause)

H.12 CONTRACTOR COMMITMENTS, WARRANTIES AND
REPRESENTATIONS (MSFC 52.239-91) (OCT 1992)

Any written commitment by the Contractor within the scope of this contract shall be binding upon the Contractor. Failure of the Contractor to fulfill any such commitment shall render the Contractor liable for liquidated or other damages due the Government under the terms of this contract. For the purpose of this contract, a written commitment by the Contractor is limited to the proposal submitted by the Contractor, and to specific written modifications to the proposal. Written commitments by the Contractor are further defined as including (1) any warranty or representation made by the Contractor in a proposal as to hardware or software performance; total systems performance; other physical, design, or functioning characteristics of equipment, software package, or system,

or installation date; (2) any warranty or representation made by the Contractor concerning the characteristics or items described in (1) above made in any publications, drawings, or specifications accompanying or referred to in a proposal; and (3) any modification of or affirmation or representation as to the above which is made by the Contractor in or during the course of negotiations, whether or not incorporated into a formal amendment to the proposal in question.

(End of clause)

H.13 HAZARDOUS MATERIAL REPORTING

A. If during the performance of this contract, the Contractor brings any hazardous materials (hazardous as defined under the latest version of Federal Standard No. 313, including revisions adopted during the term of the contract) on-site to the Marshall Space Flight Center, a completed MSFC Form 4099 (MSFC Hazardous Material Input Sheet) shall be immediately forwarded to the address on the form. The Contractor shall be responsible for ensuring that all Contractor/subcontractor personnel are made aware of and comply with this clause.

B. Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material; or with other clauses regarding hazardous materials which may be contained in the contract.

(End of clause)

H.14 LABOR PROVISIONS

Pursuant to the requirements of the Service Contract Act of 1965, as amended, and the applicable clauses incorporated in Section I, the minimum wages to be paid service employees under this contract shall be those set forth in the Department of Labor Wage Determinations (Section J, Attachment J-3).

(End of clause)

H.15 SUBCONTRACTS

(a) In accordance with the clause entitled "Subcontracts (Cost Reimbursement and Letter Contracts) -- Alternate I," the following classes of subcontracts are designated for special surveillance and the Contractor shall obtain the Contracting Officer's written consent before placement:

(1) All cost reimbursement subcontracts.

(2) All fixed price subcontracts exceeding \$250,000 total value, including all options, if the Contractor has an approved purchasing system.

(3) All fixed price subcontracts exceeding \$25,000 total value, including all options, if the Contractor does not have an approved purchasing system.

(b) In conducting procurements for FIP resources, the Contractor shall generally comply with the acquisition planning, publication, and competition requirements as set forth in FIRMR 201-20.1, 201-20.2, 201-39.5, and 201-39.6, and FAR Part 6. Before issuing a solicitation for any FIP resource procurement estimated to exceed \$2,500,000 in total value, the Contractor shall obtain the Contracting Officer's prior written approval to proceed with the procurement.

(c) All subcontracts shall be in the name of the Contractor and shall not bind nor purport to bind the Government in any manner.

(End of clause)

H.16 EXCLUDED FUNCTIONS AND RESPONSIBILITIES

Functions and responsibilities directly involved or associated with the management of any NASA laboratory or office are expressly excluded from this contract. Any instructions, directives, or orders issued under this contract involving such NASA management functions and responsibilities shall be null and void. The following activities are representative of the excluded functions and responsibilities that cannot be provided by the Contractor for the Government:

- Policy making or management of NASA operations;
- NASA Program or project management;
- Technical management of Government contracts;
- NASA management planning, programming, budgeting, review, and analysis;
- Government purchasing, contracting, contract administration, acceptance of materials and/or performance, and pay and accounting therefor;
- Direction or supervision of other Government Contractors or Government agencies, or otherwise acting as an agent to obligate or commit NASA in any capacity;
- Clerical and other administration-type functions required to be performed by civil service personnel; and
- Supervision of Government employees.

(End of clause)

H.17 UMS COST REDUCTION PROGRAM

A. OVERVIEW

The UMS Cost Reduction Program is initiated to encourage and incentivize the UMS contractor to propose methods of performing the UMS effort that will save resources. These proposals shall be of an innovative nature and not as a result of normal prudent business management or incremental improvement efforts in day to day operations. The contractor must maintain satisfactory technical performance and cost control on the overall UMS effort to be eligible for the award fee associated with the cost reduction proposal as described below.

Any effect on the Small and Small Disadvantaged Business goals must be fully addressed by the contractor.

The cost reduction proposals shall be based on the functions as described in the UMS Statement of Work in effect at the time of submittal.

B. IMPLEMENTATION

The contractor shall propose cost reductions to the total negotiated estimated amount of the contract based on innovative or improved methods of performing the UMS Mission. Each Cost Reduction Proposal (CRP) shall include a technical and cost portion for evaluation. The technical portion shall discuss the methodology of the proposed change; the impact to the current SOW and supporting requirements documentation, any transition or phasing of the effort; and must clearly demonstrate that performance of the UMS mission will either remain constant or improve. The cost portion shall clearly demonstrate the cost advantages of the change with supporting cost and pricing data. The proposal must clearly demonstrate the effort is beyond normal prudent business management of the contract.

The proposals, one original and two copies, are to be submitted to the UMS contract administrator. The COTR will coordinate technical reviews and either approve or disapprove the technical validity of the CRP. Normally, cost reduction proposals that require a reduction in the quality of support provided to NASA will not be accepted and implemented pursuant to this clause. The contracting officer will approve or disapprove the cost savings.

An approved CRP shall result in:

- (1) A bilateral contract modification decreasing the estimated contract amount.
- (2) The contractor receiving the full potential award fee, which corresponds with the decreased effort, at the time of the award fee determination for the period during which the modification was executed, provided the following performance standards have been achieved:

(a) Technical evaluation has scored 81 or above for two consecutive periods.

(b) Cost for the given award fee period and the projected estimate at completion must be at or below the respective contract estimated cost values.

(End of clause)

H.18 APPLICABILITY OF SECTION OF CLAUSES TO SUBCONTRACTS

In the event the Contractor enters into subcontract(s) for performance of any of the services required under the Statement of Work of this contract, the Contractor hereby agrees that, in addition to all other requirements, the intent and purpose of the following contract clauses will be incorporated in any such subcontract(s) where the type of subcontract, or work to be performed, could make the clause applicable.

- B.5 Premium for Scheduled Overtime
- B.7 Allowable Items of Cost
- B.8 Contract Extension Resulting from Protests
- D.1 Packaging and Marking
- E.1 Inspection of Supplies -- Cost Reimbursement
Inspection of Services -- Cost Reimbursement
- F.6 Option to Extend the Term of the Contract
- G.3 Contractor Employee Badging and Employment Termination
Clearance
- G.5 List of Installation-Provided Property and Services
- G.7 Assignment of This Contract
- H.1 Restrictions on Printing and Duplicating
Minimum Insurance Coverage
Travel Outside of the United States
- H.2 Asbestos Material
- H.3 Approval of Contract
- H.4 Limitation of Future Contracting
- H.5 Key Personnel and Facilities
- H.6 Emergency Evacuation Procedures
- H.7 Security Requirements for Unclassified Automated Information Resources
- H.8 Security Plan for Unclassified Federal Computer Systems
- H.9 Procurement Authority
- H.10 Privacy or Security Safeguards
- H.13 Hazardous Material Reporting
- H.14 Labor Provisions
- H.15 Subcontracts
- H.16 Excluded Functions and Responsibility
- H.17 UMS Cost Reduction Program

(End of clause)

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SECTION I

CONTRACT CLAUSES

I.1 CLAUSES INCORPORATED BY REFERENCE (52.252-2) (JUN 1988)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

(End of clause)

NOTICE: The following clauses are hereby incorporated by reference:

A. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

<u>Clause No.</u>	<u>Title</u>
52.202-1	Definitions (Oct 1995)
52.203-3	Gratuities (Apr 1984)
52.203-5	Covenant Against Contingent Fees (Apr 1984)
52.203-6	Restrictions on Subcontractor Sales to the Government (Oct 1995)
52.203-7	Anti-Kickback Procedures (Jul 1995)
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity (Sep 1990)
52.203-12	Limitation on Payments to Influence Certain Federal Transactions (Jan 1990)
52.203-13	Procurement Integrity -- Service Contracting (Sep 1990)
52.204-4	Printing/Copying Double-Sided on Recycled Paper (May 1995)
52.209-6	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Jul 1995)
52.211-15	Defense Priority and Allocation Requirements (Sep 1990)
52.215-2	Audit and Records - Negotiation (Oct 1995)
52.215-21	Changes or Additions to Make-Or-Buy-Program (Apr 1984)
52.215-22	Price Reduction for Defective Cost or Pricing Data (Oct 1995)
52.215-26	Integrity of Unit Prices (Oct 1995)
52.215-27	Termination of Defined Benefit Pension Plans (Mar 1996)
52.215-30	Facilities Capital Cost of Money (Sep 1987)
52.215-31	Waiver of Facilities Capital Cost of Money (Sep 1987)
52.215-33	Order of Precedence (Jan 1986)
52.215-39	Reversion or Adjustment of Plans for Postretirement Benefits Other Than Pensions (PRB) (Mar 1996)
52.215-40	Notification of Ownership Changes (Feb 1995)
52.216-7	Allowable Cost and Payment (Jul 1991)

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES
(Continued)

<u>Clause No.</u>	<u>Title</u>
52.219-8	Utilization of Small, Small Disadvantaged and Women-Owned Small Business Concerns (Oct 1995)
52.219-9	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (Oct 1995)
52.219-16	Liquidated Damages -- Subcontracting Plan (Oct 1995)
52.222-1	Notice to the Government of Labor Disputes (Apr 1984)
52.222-2	Payment for Overtime Premium (Jul 1990) ("Section B, Paragraph a" in paragraph (a))
52.222-3	Convict Labor (Apr 1984)
52.222-4	Contract Work Hours and Safety Standards -- Overtime Compensation (Jul 1995)
52.222-26	Equal Opportunity (Apr 1984)
52.222-28	Equal Opportunity Preaward Clearance of Subcontracts (Apr 1984)
52.222-35	Affirmative Action for Special Disabled and Vietnam Era Veterans (Apr 1984)
52.222-36	Affirmative Action for Handicapped Workers (Apr 1984)
52.222-37	Employment Reports on Special Disabled Veterans and Veterans of the Vietnam Era (Jan 1988)
52.222-41	Service Contract Act of 1965, As Amended (May 1989)
52.223-2	Clean Air and Water (Apr 1984)
52.223-6	Drug-Free Workplace (Jul 1990)
52.224-1	Privacy Act Notification (Apr 1984)
52.224-2	Privacy Act (Apr 1984)
52.225-11	Restrictions on Certain Foreign Purchases (May 1992)
52.227-1	Authorization and Consent (Jul 1995)
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (Apr 1984)
52.227-14	Rights in Data -- General (Jun 1987) -- As Modified by NASA FAR Supplement 1852.227-14
52.227-16	Additional Data Requirements (Jun 1987)
52.228-7	Insurance -- Liability to Third Persons (Mar 1996)
52.230-2	Cost Accounting Standards (Apr 1996)
52.230-6	Administration of Cost Accounting Standards (Apr 1996)
52.232-9	Limitation on Withholding of Payments (Apr 1984)
52.232-17	Interest (Jun 1996)
52.232-22	Limitation of Funds (Apr 1984)
52.232-23	Assignment of Claims (Jan 1986)
52.232-25	Prompt Payment (Mar 1994) (Insert 30th day in subparagraph (b)(2))

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

(Continued)

<u>Clause No.</u>	<u>Title</u>
52.232-28	Electronic Funds Transfer Payment Methods (Apr 1989) -- As Modified by NASA FAR Supplement 18-32.908(a)
52.233-1	Disputes (Oct 1995) -- Alternate I (Dec 1991)
52.233-3	Protest After Award (Oct 1995) -- Alternate I (Jun 1985)
52.237-2	Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)
52.242-1	Notice of Intent to Disallow Costs (Apr 1984)
52.242-3	Penalties for Unallowable Costs (Oct 1995)
52.242-4	Certification of Indirect Costs (Oct 1995)
52.242-13	Bankruptcy (Jul 1995)
52.243-2	Changes -- Cost-Reimbursement (Aug 1987) -- Alternate II (Apr 1984)
52.244-2	Subcontracts (Cost-Reimbursement and Letter Contracts) (Mar 1996) -- Alternate I (Jul 1995)
52.244-5	Competition in Subcontracting (Jan 1996)
52.245-1	Property Records (Apr 1984)
52.246-25	Limitation of Liability - Services (Apr 1984)
52.247-1	Commercial Bill of Lading Notations (Apr 1984)
52.248-1	Value Engineering (Mar 1989)
52.249-6	Termination (Cost-Reimbursement) (May 1986)
52.249-14	Excusable Delays (Apr 1984)
52.251-1	Government Supply Sources (Apr 1984)
52.253-1	Computer Generated Forms (Jan 1991)

B. NASA/FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

<u>Clause No.</u>	<u>Title</u>
1852.219-74	Use of Rural Area Small Businesses (Sep 1990)
1852.219-75	Small Business and Small Disadvantaged Business Subcontracting Reporting (Oct 1995)
1852.219-76	NASA Small Disadvantaged Business Goal (Jul 1991)
1852.223-70	Safety and Health (Feb 1996)
18.52.223-71	Frequency Authorization (Dec 1988)
18.52.227-70	New Technology (Jul 1995)

B. NASA/FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

18.52.227-86	Commercial Computer Software -- Licensing (Dec 1987)
1852.242-72	Observance of Legal Holidays (Aug 1992) -- Alternate I (Sep 1989) -- Alternate II (Sep 1989)
1852.242-73	NASA Contractor Financial Management Reporting (Apr 1994)

1852.245-70 Acquisition of Centrally Reportable Equipment (Mar 1989)
1852.245-71 Installation-Provided Government Property (Mar 1989)

(End of clause)

I.2 REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF
OFFERORS OR QUOTERS INCORPORATED BY REFERENCE (MSFC
52.252-91) (AUG 1988)

The Representations, Certifications, and Other Statements of Offerors or Quoters (Section K of the solicitation document) as completed by the Contractor are hereby incorporated in their entirety by reference, with the same force and effect as if they were given in full text.

(End of clause)

I.3 FULL TEXT CLAUSES (MSFC 52.252-90) (AUG 1988)

The following clauses are attached hereto in full text:

<u>Clause No.</u>	<u>Title</u>
52.203-9	Requirement for Certificate of Procurement Integrity -- Modification (Sep 1995)
52.222-47	Service Contract Act (SCA) Minimum Wages and Fringe Benefits (May 1989)
52.227-23	Rights to Proposal Data (Technical) (Jun 1987)
52.237-3	Continuity of Services (Jan 1991)
52.244-6	Subcontracts for Commercial Items and Commercial Components (Oct 1995)
52.245-5	Government Property (Cost-Reimbursement, Time-and-Materials, or Labor-Hour Contracts) (Jan 1986)(Deviation)

FULL TEXT CLAUSES (MSFC 52.252-90) (AUG 1988)
(Continued)

<u>Clause No.</u>	<u>Title</u>
52.252-6	Authorized Deviations in Clauses (APR 1984)
1852.215-84	Ombudsman (Oct 1995)
1852.216-89	Allowable Cost and Payment (Apr 1994)

(End of clause)

**REQUIREMENT FOR CERTIFICATE OF PROCUREMENT
INTEGRITY -- MODIFICATION (SEP 1995)**

(a) **Definitions.** The definitions set forth in FAR 3.104-4 are hereby incorporated in this clause.

(b) The Contractor agrees that it will execute the certification set forth in paragraph (c) of this clause when requested by the Contracting Officer in connection with the execution of any modification of this contract.

(c) **Certification.** As required in paragraph (b) of this clause, the officer or employee responsible for the modification proposal shall execute the following certification:

CERTIFICATE OF PROCUREMENT INTEGRITY -- MODIFICATION (NOV 1990)

(1) I, (**Name of certifier**) T. Gerald Stafford
am the officer or employee responsible for the preparation of this modification proposal and hereby certify that, to the best of my knowledge and belief, with the exception of any information described in this certification, I have no information concerning a violation or possible violation of subsections 27(a), (b), (d), or (f) of the Office of Federal Procurement Policy Act, as amended* (41 U.S.C. 423), (hereinafter referred to as "the Act"), as implemented in the FAR, occurring during the conduct of this procurement (contract and modification number) NAS8-44000

(2) As required by subsection 27(e)(1)(B) of the Act, I further certify that to the best of my knowledge and belief, each officer, employee, agent, representative, and consultant of [Name of Offeror] Lockheed Martin Engineering & Sciences Cowho has participated personally and substantially in the preparation or submission of this proposal has certified that he or she is familiar with, and will comply with, the requirements of subsection 27(a) of the Act, as implemented in the FAR, and will report immediately to me any information concerning a violation or possible violation of subsections 27(a), (b), (d), or (f) of the Act, as implemented in the FAR, pertaining to this procurement.

(3) Violations or possible violations: (**Continue on plain bond paper if necessary and label Certificate of Procurement Integrity -- Modification (Continuation Sheet), ENTER "NONE" IF NONE EXISTS**)

NONE

[Signature of the officer or employee responsible for the modification proposal and date]

July 22, 1996

[Typed name of the officer or employee responsible for the modification proposal]

T. Gerald Stafford, Manager, Business Development

*Subsections 27(a), (b), and (d) are effective on December 1, 1990.

Subsection 27(f) is effective on June, 1, 1991.

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER TITLE 18, UNITED STATES CODE, SECTION 1001.

(End of certification)

(d) In making the certification in paragraph (2) of the certificate, the officer or employee of the competing Contractor responsible for the offer or bid, may rely upon a one-time certification from each individual required to submit a certification to the competing Contractor, supplemented by periodic training. These certifications shall be obtained at the earliest possible date after an individual required to certify begins employment or association with the Contractor. If a Contractor decides to rely on a certification executed prior to the suspension of section 27 (i.e., prior to December 1, 1989), the Contractor shall ensure that an individual who has so certified is notified that section 27 has been reinstated. These certifications shall be maintained by the Contractor for a period of 6 years from the date a certifying employee's employment with the company ends or, for an agency, representative, or consultant, 6 years from the date such individual ceases to act on behalf of the Contractor.

(e) The certification required by paragraph (c) of this clause is a material representation of fact upon which reliance will be placed in executing this modification.

(End of clause)

52.222-47 SERVICE CONTRACT ACT (SCA) MINIMUM WAGES AND FRINGE BENEFITS (MAY 1989)

An SCA wage determination applicable to this work has been requested from the U.S. Department of Labor. If an SCA wage determination is not incorporated herein, the bidders/offers shall consider the economic terms of the collective bargaining agreement (CBA) between the incumbent Contractor _____ and the _____ (union). If the economic terms of the collective bargaining agreement or the collective bargaining agreement itself is not attached to the solicitation, copies can be obtained from the Contracting Officer. Pursuant to Department of Labor Regulation, 29 CFR 4.1b and paragraph (g) of the clause at 52.222-41, Service Contract Act of 1965, as amended, the economic terms of that agreement will apply to the contract resulting from this solicitation, notwithstanding the absence of a wage determination reflecting such terms, unless it is determined that the agreement was not the result of arm's length negotiations or that after a hearing pursuant to section 4(c) of the Act, the economic terms of the agreement are substantially at variance with the wages prevailing in the area.

(End of clause)

52.227-23 RIGHTS TO PROPOSAL DATA (TECHNICAL) (JUN 1987)

Except for data contained on Pages ALL, it is agreed that as a condition of award of this contract, and notwithstanding the conditions of any notice appearing thereon, the Government shall have unlimited rights (as defined in the "Rights in Data" clause contained in this contract) in and to the technical data contained in the proposal dated Dec. 4, 1995*, upon which this contract is based.

*Subsequent modification

(End of clause)

52.237-3 CONTINUITY OF SERVICES (JAN 1991)

(a) The Contractor recognizes that the services under this contract are vital to the Government and must be continued without interruption and that, upon contract expiration, a successor, either the Government or another Contractor, may continue them. The Contractor agrees to (1) furnish phase-in training and (2) exercise its best efforts and cooperation to effect an orderly and efficient transition to a successor.

(b) The Contractor shall, upon the Contracting Officer's written notice, (1) furnish phase-in, phase-out services for up to 90 days after this contract expires and (2) negotiate in good faith a plan with a successor to determine the nature and extent of phase-in, phase-out services required. The plan shall specify a training program and a date for transferring responsibilities for each division of work described in the plan, and shall be subject to the Contracting Officer's approval. The Contractor shall provide sufficient experienced personnel during the phase-in, phase-out period to ensure that the services called for by this contract are maintained at the required level of proficiency.

(c) The Contractor shall allow as many personnel as practicable to remain on the job to help the successor maintain the continuity and consistency of the services required by this contract. The Contractor also shall disclose necessary personnel records and allow the successor to conduct onsite interviews with these employees. If selected employees are agreeable to the change, the Contractor shall release them at a mutually agreeable date and negotiate transfer of their earned fringe benefits to the successor.

(d) The Contractor shall be reimbursed for all reasonable phase-in, phase-out costs (i.e., costs incurred within the agreed period after contract expiration that result from phase-in, phase-out operations) and a fee (profit) not to exceed a pro rata portion of the fee (profit) under this contract.

(End of clause)

52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (OCT 1995)

(a) Definition.

"Commercial item", as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract", as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 11246);

(2) 52.222-35, Affirmative Action for Special Disabled and Vietnam Era Veterans (38 U.S.C. 4212(a));

(3) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793); and

(4) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this

paragraph (d), in subcontracts awarded under this contract.

(End of clause)

52.245-5 GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-
AND-MATERIAL, OR LABOR-HOUR CONTRACTS (JAN 1986)
(DEVIATION)

(a) Government-furnished property.

(1) The term "Contractor's managerial personnel," as used in paragraph (g) of this clause, means any of the Contractor's directors, officers, managers, superintendents, or equivalent representatives who have supervision or direction of--

(i) All or substantially all of the Contractor's business;

(ii) All or substantially all of the Contractor's operation at any one plant, or separate location at which the contract is being performed; or

(iii) A separate and complete major industrial operation connected with performing this contract.

(2) The Government shall deliver to the Contractor, for use in connection with and under the terms of this contract, the Government-furnished property described in the Schedule or specifications, together with such related data and information as the Contractor may request and as may be reasonably required for the intended use of the property (hereinafter referred to as "Government-furnished property").

(3) The delivery or performance dates for this contract are based upon the expectation that Government-furnished property suitable for use will be delivered to the Contractor at the times stated in the Schedule or, if not so stated, in sufficient time to enable the Contractor to meet the contract's delivery or performance dates.

(4) If Government-furnished property is received by the Contractor in a condition not suitable for the intended use, the Contractor shall, upon receipt, notify the Contracting Officer, detailing the facts, and, as directed by the Contracting Officer and at Government expense, either effect repairs or modification or return or otherwise dispose of the property. After completing the directed action and upon written request of the Contractor, the Contracting Officer shall make an equitable adjustment as provided in paragraph (h) of this clause.

(5) If Government-furnished property is not delivered to the Contractor by the required time or times, the Contracting Officer shall, upon the Contractor's timely written request, make a determination of the delay, if any, caused the Contractor and shall make an equitable adjustment in accordance with paragraph (h) of this clause.

(b) Changes in Government-furnished property.

(1) The Contracting Officer may, by written notice, (i) decrease the Government-furnished property provided or to be provided under this contract or (ii) substitute other Government-furnished property for the property to be provided by the Government or to be acquired by the Contractor for the Government under this contract. The Contractor shall promptly take such action as the Contracting Officer may direct regarding the removal, shipment, or disposal of the property covered by this notice.

(2) Upon the Contractor's written request, the Contracting Officer shall make an equitable adjustment to the contract in accordance with paragraph (h) of this clause, if the Government has agreed in the Schedule to make such property available for performing this contract and there is any-- (i) Decrease or substitution in this property pursuant to subparagraph (b)(1) above; or (ii) Withdrawal of authority to use property, if provided under any other contract or lease.

(c) Title.

(1) The Government shall retain title to all Government-furnished property.

(2) Title to all property purchased by the Contractor for which the Contractor is entitled to be reimbursed as a direct item of cost under this contract shall pass to and vest in the Government upon the vendor's delivery of such property.

(3) Title to all other property, the cost of which is reimbursable to the Contractor, shall pass to and vest in the Government upon--

(i) Issuance of the property for use in contract performance;

(ii) Commencement of processing of the property for use in contract performance; or

(iii) Reimbursement of the cost of the property by the Government, whichever occurs first.

(4) All Government-furnished property and all property acquired by the Contractor, title to which vests in the Government under this paragraph (collectively referred to as "Government property"), are subject to the provisions of this clause. Title to Government property shall not be affected by its incorporation into or attachment to any property not owned by the Government, nor shall Government property become a fixture or lose its identity as personal property by being attached to any real property.

(d) Use of Government property. The Government property shall be used only for performing this contract, unless otherwise provided in this contract or approved by the Contracting Officer.

(e) Property administration.

(1) The Contractor shall be responsible and accountable for all Government property provided under the contract and shall comply with Federal Acquisition Regulation (FAR) Subpart 45.5, as in effect on the date of this contract.

(2) The Contractor shall establish and maintain a program for the use, maintenance, repair, protection, and preservation of Government property in accordance with sound business practice and the applicable provisions of FAR Subpart 45.5.

(3) If damage occurs to Government property, the risk of which has been assumed by the Government under this contract, the Government shall replace the items or the Contractor shall make such repairs as the Government directs. However, if the Contractor cannot effect such repairs within the time required, the Contractor shall dispose of the property as directed by the Contracting Officer. When any property for which the Government is responsible is replaced or repaired, the Contracting Officer shall make an equitable adjustment in accordance with paragraph (h) of this clause.

(f) Access. The Government and all its designees shall have access at all reasonable times to the premises in which any Government property is located for the purpose of inspecting the Government property.

(g) Limited risk of loss.

(1) The Contractor shall not be liable for loss or destruction of, or damage to, the Government property provided under this contract or for expenses incidental to such loss, destruction, or damage, except as provided in subparagraphs (2) and (3) below.

(2) The Contractor shall be responsible for loss or destruction of, or damage to, the Government property provided under this contract (including expenses incidental to such loss, destruction, or damage)--

(i) That results from a risk expressly required to be insured under this contract, but only to the extent of the insurance required to be purchased and maintained or to the extent of insurance actually purchased and maintained, whichever is greater;

(ii) That results from a risk that is in fact covered by insurance or for which the Contractor is otherwise reimbursed, but only to the extent of such insurance or reimbursement;

(iii) For which the Contractor is otherwise responsible under the express terms of this contract;

(iv) That results from willful misconduct or lack of good faith on the part of the Contractor's managerial personnel; or

(v) That results from a failure on the part of the Contractor, due to willful misconduct or lack of good faith on the part of the Contractor's managerial personnel, to establish and administer a program or system for the control, use, protection,

preservation, maintenance, and repair of Government property as required by paragraph (e) of this clause.

(3) (i) If the Contractor fails to act as provided by subdivision (g)(2)(v) above, after being notified (by certified mail addressed to one of the Contractor's managerial personnel) of the Government's disapproval, withdrawal of approval, or nonacceptance of the system or program, it shall be conclusively presumed that such failure was due to willful misconduct or lack of good faith on the part of the Contractor's managerial personnel.

(ii) In such event, any loss or destruction of, or damage to, the Government property shall be presumed to have resulted from such failure unless the Contractor can establish by clear and convincing evidence that such loss, destruction, or damage--

(A) Did not result from the Contractor's failure to maintain an approved program or system; or

(B) Occurred while an approved program or system was maintained by the Contractor.

(4) If the Contractor transfers Government property to the possession and control of a subcontractor, the transfer shall not affect the liability of the Contractor for loss or destruction of, or damage to, the property as set forth above. However, the Contractor shall require the subcontractor to assume the risk of, and be responsible for, any loss or destruction of, or damage to, the property while in the subcontractor's possession or control, except to the extent that the subcontract, with the advance approval of the Contracting Officer, relieves the subcontractor from such liability. In the absence of such approval, the subcontract shall contain appropriate provisions requiring the return of all Government property in as good condition as when received, except for reasonable wear and tear or for its use in accordance with the provisions of the prime contract.

(5) Upon loss or destruction of, or damage to, Government property provided under this contract, the Contractor shall so notify the Contracting Officer and shall communicate with the loss and salvage organization, if any, designated by the Contracting Officer. With the assistance of any such organization, the Contractor shall take all reasonable action to protect the Government property from further damage, separate the damaged and undamaged Government property, put all the affected Government property in the best possible order, and furnish to the Contracting Officer a statement of--

(i) The lost, destroyed, or damaged Government property;

(ii) The time and origin of the loss, destruction, or damage;

(iii) All known interests in commingled property of which the Government property is a part; and

(iv) The insurance, if any, covering any part of or interest in such commingled property.

(6) The Contractor shall repair, renovate, and take such other action with respect to damaged Government property as the Contracting Officer directs. If the Government property is destroyed or damaged beyond practical repair, or is damaged and so commingled or combined with property of others (including the Contractor's) that separation is impractical, the Contractor may, with the approval of and subject to any conditions imposed by the Contracting Officer, sell such property for the account of the Government. Such sales may be made in order to minimize the loss to the Government, to permit the resumption of business, or to accomplish a similar purpose. The Contractor shall be entitled to an equitable adjustment in the contract price for the expenditures made in performing the obligations under this subparagraph (g)(6) in accordance with paragraph (h) of this clause. However, the Government may directly reimburse the loss and salvage organization for any of their charges. The Contracting Officer shall give due regard to the Contractor's liability under this paragraph (g) when making any such equitable adjustment.

(7) The Contractor shall not be reimbursed for, and shall not include as an item of overhead, the cost of insurance or of any reserve covering risk of loss or destruction of, or damage to, Government property, except to the extent that the Government may have expressly required the Contractor to carry such insurance under another provision of this contract.

(8) In the event the Contractor is reimbursed or otherwise compensated for any loss or destruction of, or damage to, Government property, the Contractor shall use the proceeds to repair, renovate, or replace the lost, destroyed, or damaged Government property or shall otherwise credit the proceeds to, or equitably reimburse, the Government, as directed by the Contracting Officer.

(9) The Contractor shall do nothing to prejudice the Government's rights to recover against third parties for any loss or destruction of, or damage to, Government property. Upon the request of the Contracting Officer, the Contractor shall, at the Government's expense, furnish to the Government all reasonable assistance and cooperation (including the prosecution of suit and the execution of instruments of assignment in favor of the Government) in obtaining recovery. In addition, where a subcontractor has not been relieved from liability for any loss or destruction of, or damage to, Government property, the Contractor shall enforce for the benefit of the Government the liability of the subcontractor for such loss, destruction, or damage.

(h) Equitable adjustment. When this clause specifies an equitable adjustment, it shall be made to any affected contract provision in accordance with the procedures of the Changes clause. When appropriate, the Contracting Officer may initiate an equitable adjustment in favor of the Government. The right to an equitable adjustment shall be the Contractor's exclusive remedy. The Government shall not be liable to suit for breach of contract for--

(1) Any delay in delivery of Government-furnished property;

(2) Delivery of Government-furnished property in a condition not suitable for its intended use;

(3) A decrease in or substitution of Government-furnished property; or

(4) Failure to repair or replace Government property for which the Government is responsible.

(i) Final accounting and disposition of Government property. Upon completing this contract, or at such earlier dates as may be fixed by the Contracting Officer, the Contractor shall submit, in a form acceptable to the Contracting Officer, inventory schedules covering all items of Government property not consumed in performing this contract or delivered to the Government. The Contractor shall prepare for shipment, deliver f.o.b. origin, or dispose of the Government property as may be directed or authorized by the Contracting Officer. The net proceeds of any such disposal shall be credited to the cost of the work covered by this contract or paid to the Government as directed by the Contracting Officer. The foregoing provisions shall apply to scrap from Government property; provided, however, that the Contracting Officer may authorize or direct the Contractor to omit from such inventory schedules any scrap consisting of faulty castings or forgings or of cutting and processing waste, such as chips, cuttings, borings, turnings, short ends, circles, trimmings, clippings, and remnants, and to dispose of such scrap in accordance with the Contractor's normal practice and account for it as a part of general overhead or other reimbursable costs in accordance with the Contractor's established accounting procedures.

(j) Abandonment and restoration of Contractor premises. Unless otherwise provided herein, the Government--

(1) May abandon any Government property in place, at which time all obligations of the Government regarding such abandoned property shall cease; and

(2) Has no obligation to restore or rehabilitate the Contractor's premises under any circumstances (e.g., abandonment, disposition upon completion of need, or contract completion). However, if the Government-furnished property (listed in the Schedule or specifications) is withdrawn or is unsuitable for the intended use, or if other Government property is substituted, then the equitable adjustment under paragraph (h) of this clause may properly include restoration or rehabilitation costs.

(k) Communications. All communications under this clause shall be in writing.

(l) Overseas contracts. If this contract is to be performed outside the United States of America, its territories, or possessions, the words "Government" and "Government-furnished" (wherever they appear in this clause) shall be construed as "United States Government" and "United States Government-furnished," respectively.

(End of clause)

52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any NASA FAR Supplement (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

1852.215-84 OMBUDSMAN (OCTOBER 1995)

An ombudsman has been appointed to hear concerns from offerors, potential offerors, and contractors during the preaward and postaward phases of this acquisition. The purpose of the ombudsman is not to diminish the authority of the contracting officer, the Source Evaluation Board, or the selection official, but to communicate concerns, issues, disagreements, and recommendations of interested parties to the appropriate Government personnel and to work to resolve them. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of formal contract disputes. Interested parties are invited to call the installation ombudsman Susan Smith at 205-544-1919. Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the NASA ombudsman Thomas S. Luedtke at (202) 358-2090.

(End of clause)

1852.216-89 ALLOWABLE COST AND PAYMENT (APR 1994)

Allowable costs shall be determined by the contracting officer in accordance with 18-31.205-18 in addition to the provisions of (FAR) 48 CFR subpart 31.2.

(End of clause)

[END OF SECTION]

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SECTION J

LIST OF ATTACHMENTS

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J-3	Wage Determination
J-4	Award Fee Plan
J-5	Make-Or-Buy Plan
J-6	Small Business and Small Disadvantaged Business Concerns Subcontracting Plan
J-7	Government-Furnished Property
J-8	Installation-Provided Property and Services
J-9	Applicable Regulations and Procedures
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ATTACHMENT J-1
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1. UMS MISSION STATEMENT

The contractor's mission is to manage, be responsible for, and provide services to meet the requirements of the Mission Operations Laboratory (MOL) and its customers. The mission services in this contract include systems engineering, design and development, activity preparation, operations, hardware and software maintenance, and verification within MSFC facilities and capabilities in support of ground and flight operations. The facilities include the Huntsville Operations Support Center (HOSC) and related systems, the Payload Crew Training Complex (PCTC)/Utilization Development Capability (UDC), and the Distributed Active Archive Center (DAAC), which are used in support of Space Transportation System (STS), Spacelab, International Space Station Alpha (ISSA), Advanced X-Ray Astrophysics Facility (AXAF) and Earth Observation Systems (EOS) programs. In performing this mission, the contractor shall:

- a. Operate and maintain existing equipment and software.
- b. Gather, analyze, define and document systems requirements.
- c. Configure, prepare, integrate, interconnect, activate, monitor, evaluate, adjust, calibrate, measure and document performance of existing equipment and software.
- d. Plan, design, develop, integrate, test, and implement new systems or enhancements to existing systems.

For the purpose of this Statement of Work (SOW), the MOL customer is defined as the end-user of the services described. A MOL customer may be an organization such as a NASA program, project office, staff office, NASA contractor, payload developer, international partner or an individual within these organizations.

2. UMS SERVICES

The contractor shall support MSFC in UMS systems engineering, design/development, activity preparation, operations, maintenance, and verification. Ground Support Systems(GSS) include operations control centers, training facilities, data archive distribution centers and development systems. This support shall entail provisioning management, labor, materials, and equipment for the performance of tasks described in the following paragraphs.

For GSS systems and upgrades currently in work, the contractor shall ensure all the tasks have been properly defined, identify any deficiencies, and complete the tasks necessary to successfully complete the development. The contractor shall periodically evaluate the status of all GSS services and functions and provide recommendations on improvements and deficiency corrections. The contractor shall implement programs and processes which encourage Continuous Improvement as an integral part of the services described in this Statement of Work. The contractor shall implement corrections and process improvements as recommended to and approved by appropriate control processes.

The contractor shall determine whether new documentation shall be developed or updates of existing documentation shall be performed. The contractor shall generate new documentation as specified in this Statement of Work (SOW) or update existing system documentation as appropriate.

The contractor shall participate in applicable program/project reviews and steering/working groups.

The contractor shall integrate all services and functions within and across the facilities to ensure efficient, flexible, complete, consistent, and coordinated facility management and operation.

2.1 Management

The overall MSFC Mission Operations Laboratory program management responsibilities for the services and functions addressed in this SOW are exercised through the established responsibility and authority of the COTR, the lead engineers, and the configuration management boards and control groups.

The contractor shall provide program management, financial management, property management, safety, security, configuration management, facilities management, contract administration, and procurement.

The contractor shall provide, implement, and maintain the requisite organization, disciplines, and systems necessary to manage the personnel and resources required for the performance of these functions.

2.1.1 Program Management

The contractor shall develop and implement systems for planning, scheduling, controlling, and reporting all UMS services and functions, and for analyzing and reporting contract performance. In performance of program management, the contractor shall:

- a. Prepare, implement, and maintain the UMS Work Breakdown Structure and Dictionary (DRD 815MA-004).
- b. Prepare and submit progress reports (DRD 815MA-003).
- c. Prepare reports of obligations and planned expenditures for significant use of information technology (DRD 815CD-002).
- d. Prepare, implement, and maintain the UMS Program Management Plan (DRD 815MA-001).
- e. Develop and maintain a Performance Measurement System (PMS) for analyzing and reporting contract performance (DRD 815MA-003).
- f. Establish and maintain management information databases which provide for the preparation, storage, and retrieval of contract information such as documentation, deliverables, and presentations/briefings via the MSFC Workstation Presentation Services (WPS) or subsequent systems. The contractor's databases shall be developed using WPS or subsequent sanctioned software. The COTR and COTR-designated personnel shall have access to these databases.
- g. Develop and maintain project, system, and facility schedules and staffing plans.
- h. Establish, implement, and maintain quality assurance as a means of ensuring that products and services conform to specific requirements.

2.1.2 Financial Management

The contractor shall be responsible for planning, tracking, accumulating, and reporting contract costs and providing other financial support required to meet the budgeting, cost reporting, billing, and disclosure requirements of the contract. In performance of this function, the contractor shall:

- a. Provide, implement, and maintain a cost accounting system. The system shall be fully integrated and shall provide status of committed, obligated,

- costed, and disbursed funds. The system shall be structured to provide projections and tracking of negotiated and accrued costs, including labor hours, by unique project number, by WBS element, and by facility.
- b. Develop and implement a system to ensure compliance with current NASA budget guidelines and operating plans. The contractor shall inform the COTR of projected and actual manpower and cost variances from the plan for the current fiscal year. The contractor shall present the magnitude of variances, the reason for the variances, and all projected activities that might affect the variances.
 - c. Prepare inputs for program/project budget cycles for MOL submittals.
 - d. Prepare and submit Financial Management Reports (DRD 815MA-002).

2.1.3 Property Management

The contractor shall perform property management and administration of all property acquired by or in possession of the contractor and subcontractors, including Government Furnished Property. In performance of this function, the contractor shall:

- a. Utilize the NASA Equipment Management System (NEMS) and the associated equipment identifiers to accomplish UMS inventory management and control.
- b. Prepare, implement, and maintain the Government Property Management Plan (DRD 815LS-001).
- c. ~~Perform routine maintenance and annual inventory of government property records.~~
- d. Support periodic audits of the inventory.
- e. Comply with the requirements of NHB 4200.1, NASA Equipment Management Manual; NHB 4200.2, Equipment Management System User's Handbook for Property Custodians; NHB 4100.1, NASA Materials Inventory Management Manual; and MM 4000.1, MSFC Property Management Manual for the acquisition and responsibility of materials and equipment including execution of property custodian functions.
- f. Perform logistics functions such as packing and preparation for shipping equipment out for repair and relocating received equipment to its installation point in compliance with MSFC property regulations.

2.1.4 Safety

The contractor shall prepare, implement, and maintain a comprehensive safety, health, and housekeeping program for all assigned areas and activities. In performance of this function, the contractor shall:

- a. Prepare, implement and maintain the Safety and Health Plan (DRD 815SA-002).
- b. Implement the safety program in compliance with NHB 1700.1, MMI 1700.16 and MMI 1711.2.
- c. Prepare, implement, and maintain comprehensive health policies and procedures in compliance with Occupational Safety and Health Administration (OSHA), NASA and MSFC standards, instructions, requirements, policies and guidelines.
- d. Maintain records and submit reports of occupational injuries and illnesses (DRD 815SA-001).
- e. Prepare, implement, and maintain comprehensive housekeeping policies and procedures.
- f. Ensure that the appropriate safety and Fire Marshall rules and regulations are followed in each facility.

2.1.5 Security

The contractor shall prepare, implement, and maintain the Security Plan for Unclassified Federal Computer Systems (DRD 815CD-001) and implement a comprehensive program consistent with NASA, DOD, and MSFC regulations and procedures for the performance of the UMS contract. The plan shall include Federal Information Processing (FIP) resource protection, personnel security, facility access procedures, policies, and protection; and the safeguarding of Privacy Act Information and proprietary data. In performance of this function, the contractor shall:

- a. Define and implement the Information Technology Security (ITS) procedures and functions for each UMS facility necessary to provide protection of the information systems consistent with the criticality level of the systems, applications, and data content.
- b. Support disaster preparedness and recovery by:

- (1) Ensuring, by complying with the MSFC disaster recovery plan, the orderly recovery from a disaster that may render all or part of the UMS systems and equipment inoperable.
- (2) Coordinating with disaster recovery experts across MSFC and NASA to verify integration procedures and planning techniques.
- (3) Executing effective measures to protect all systems, equipment, and data from potential environmental threats.
- (4) Ensuring that systems are operational and restoring any lost capabilities and data after the occurrence of a disaster.

2.1.6 Configuration Management

The contractor shall be responsible for a Configuration Management (CM) program for hardware and software that provides (1) configuration identification (drawings and specifications), (2) configuration control, and (3) support for reviews and audits required for the program defined within this contract. The contractor shall define in the Configuration Management Plan the program and procedures that will be implemented to assure contract compliance (DRD 815CM-001).

The following defines the requirements for establishing and maintaining the Configuration Identification Documentation:

- a. Prepare and deliver specifications meeting the requirements of MIL-STD-490 and MSFC-STD-555 in accordance with DRD 815CM-002.
- b. Provide product drawings and parts lists of the types specified in MIL-STD-100E to meet the requirements of MSFC-STD-555 and DRD 815CM-003.

Engineering/project changes, deviations, waivers, and related data to Government configuration controlled documents shall be processed in accordance with the requirements of MMI 8040.19 and MSFC-STD-555. Engineering Change Requests (ECR) shall be generated and processed in accordance with DRD 815CM-004. Deviations and waivers shall be generated and processed in accordance with DRD 815CM-005.

In performance of configuration management of the hardware and software systems, the contractor shall ensure version control and definition; provide accessibility control; provide traceability of revision history; and provide definition control of executable operational configurations.

2.1.7 Facilities Management

The contractor shall implement and maintain a uniform system of managing the use of assigned facilities. In performance of this function, the contractor shall:

- a. Maintain floor plans of all assigned facilities to reflect the location of furniture, equipment, and electrical services.
- b. Maintain continuous records of changes or movements of equipment and furniture to ensure that responsibility requirements are met.
- c. Maintain locality information listings, including number of personnel by on-site and off-site location, square footage, and associated lease and maintenance costs (DRD 815CD-003).
- d. Plan for future facility requirements or expected changes in personnel and equipment locations. This includes power, lighting, square footage, layout, heating, ventilation, and cooling (HVAC), fire suppression and detection, and security.
- e. Plan for facility modifications to designated, contractor-occupied areas. Make accommodations for changes in personnel space and equipment space. Participate in the scheduling of such activity to minimize disruption of operations.

2.1.8 Contract Administration

In performance of contract administration functions, the contractor shall:

- a. Provide a single point of contact with contractual obligation authority for all contract administration functions and activities required in performance of this contract. This point of contact shall have access to all contract administration data and information related to performance of this contract.
- b. Provide on-line access to contract administration information and data through the management information databases to the Contracting Officer and designated personnel. The management information databases shall provide the capability to track costs by specific contract change orders.

2.1.9 Procurement

In performance of procurement functions, the contractor shall:

- a. Provide all supplies and services (not otherwise furnished by the government or covered under a NASA Indefinite Delivery/Indefinite Quantity (ID/IQ) contract) which are required to perform the services and functions specified in the SOW and to accomplish the UMS mission.
- b. Provide, implement, and maintain a procurement system compatible with the contractor's financial management system. The system shall track the status of individual procurements from purchase request, through purchase order or contract and delivery. The system shall provide on-line funding verification of purchase orders and contracts.
- c. Provide, implement, and maintain procurement controls including contractor policies and procedures governing standards of conduct, procurement processes and practices, and prevention of waste, fraud, and mismanagement.

2.2 Systems Engineering

The contractor shall prepare and implement a systems development plan (DRD 815SE-001). The contractor shall develop system-level requirements for hardware, software, external interfaces, internal interfaces, and operations. The contractor shall perform system requirements development, system analysis, operations integration and planning, and sustaining engineering. These activities shall be performed for upgrades to existing systems, new requirements for existing systems, mission-specific requirements, and new programs to be supported by each facility.

2.2.1 System Requirements Development

The contractor shall:

- a. Develop and implement methodologies to transform the MOL customer requirements into mission system requirements.
- b. Prepare system development plans to ensure proper implementation of planned system capabilities and services.
- c. Develop system operations concepts to ensure proper definition of planned system capabilities and services.
- d. Evaluate programmatic changes to identify or derive system requirements changes.
- e. Define and document system requirements.

- f. Derive system requirements necessary to ensure a complete, verifiable, operable, maintainable, secure, and efficient system.
- g. Derive Hardware Configuration Item (HWCI), Computer Software Configuration Item (CSCI), and operations requirements from system requirements.
- h. Derive system, HWCI, and CSCI verification requirements.
- i. Ensure correct interpretation of system requirements during implementation of the system design.
- j. Identify and define internal and external interfaces for systems and facilities to external entities.
- k. Develop operations and maintenance policies and procedures for all systems and facilities.
- l. Identify, define, and implement training requirements and programs for GSS operations and maintenance personnel and GSS users.
- m. Present the system, HWCI, CSCI, operations and verification requirements, including baseline and subsequent revisions, at scheduled technical reviews. GFP requirements shall be included in integrated requirements reviews.

2.2.2 System Analysis

The contractor shall:

- a. Perform system analyses, trade studies, and assessments to determine options and recommendations for system capabilities, design, and development.
- b. Develop conceptual, functional, and operational models of the system from the requirements.
- c. Determine system functional element interrelationships and interactions, predict system performance, perform make-or-buy analyses, and compare competing design alternatives.
- d. Investigate vendor products and summarize options for make-or-buy.

- e. Perform risk assessments to identify all risk factors for GSS and define risk mitigation processes.
- f. Assess the potential usefulness of technological advances in improving efficiency and/or reducing cost.
- g. Conduct special studies, as required, on topics such as GSS design and/or operational improvements and alternative maintenance schemes.

2.2.3 Operations Integration and Planning

The contractor shall conduct operations integration and planning to ensure coordination of all operations disciplines and integrated planning across all system elements, including GFP.

2.2.4 System Sustaining Engineering

The contractor shall:

- a. Conduct system performance studies, recommending appropriate changes to eliminate potential system bottlenecks, resources conflicts, and system overloads.
- b. Isolate problems in systems and effect proper resolution. Document and report the status of changes.
- c. Perform capacity analysis of existing computational and telecommunication systems and supporting resources to ensure that systems are performing compatible with specific system requirements.
- d. Provide capacity-planning recommendations based on analysis and changes in requirements and technology.
- e. Provide risk analysis and management which shall include continual identification and assessment of technical, schedule, cost, and organizational risks involved with the operation of systems.
- f. Perform technology assessments, system upgrade analysis and test, concept prototyping, product evaluations, and human/computer interface evaluations.
- g. Prepare and maintain documentation trees. Based on initial evaluation, recommend appropriate modifications and implement approved changes.

2.3 Design and Development

The contractor shall perform system designs to meet system requirements. Hardware and software design and development shall be performed. The contractor shall correct any discrepancies identified during verification activities. The contractor shall install and integrate developed, procured, or provided systems within the facilities. These activities shall be performed for upgrades to existing systems, new requirements for existing systems, mission-specific requirements, and new programs to be supported by the facilities.

2.3.1 System Design

The contractor shall:

- a. Define integrated system architectures and designs meeting all system requirements.
- b. Incorporate GFP components into system architectures and designs.
- c. Allocate system design components to HWCI and CSCI.
- d. Document all system internal/external interface architectures and designs.

2.3.2 Hardware Design

The contractor shall:

- a. Implement hardware development methodologies, utilizing design standards and procedures to ensure complete and consistent designs and design documentation.
- b. Develop hardware designs meeting all system-level requirements.
- c. Incorporate GFP components into system hardware designs.
- d. Define and design all test hardware necessary to support system, HWCI, and CSCI testing.
- e. Present the hardware design, including baseline and subsequent revisions, at scheduled technical reviews.

2.3.3 Software Design

The contractor shall:

- a. Define software development methodologies, defining coding standards and procedures to ensure complete, consistent designs and design documentation.
- b. Develop and document software designs meeting all system-level requirements.
- c. Incorporate GFP components into system software designs.
- d. Define and design all test software necessary to support system, HWCI, and CSCI testing.
- e. Present the software design, including baseline and subsequent revisions, at scheduled technical reviews.

2.3.4 Hardware Development

The contractor shall:

- a. Develop hardware as specified by the design.
- b. Develop hardware prototypes and mockups required for system design or capability analysis.
- c. Develop technical specifications describing performance and behavior of the hardware system and components.
- d. Document the as-built HWCI and system architecture including system configuration, performance, and characteristics.

2.3.5 Software Development

The contractor shall:

- a. Develop software as specified by the design.
- b. Develop software prototypes and mockups required for system design or capability analysis.

- c. Develop program descriptions, listings, users' guides, manuals, training materials, and software operating procedures, notes and documents.
- d. Develop all test software necessary to support all system, HWCI, and CSCI testing.

2.3.6 Acquisition Specifications

The contractor shall develop comprehensive system acquisition specifications and documentation for end items/products that are to be acquired from manufacturers or vendors.

2.3.7 Installation and Integration

The contractor shall:

- a. Assemble, install, integrate, test, and check-out CSCI and HWCI components into the system.
- b. Develop and provide technical documentation pertaining to the configuration and operation of the as-built system.
- c. Develop system and facility installation plans, procedures, and instructions.
- d. Perform all GFP integration and assist in GFP testing activities.

2.4 Activity Preparation

The contractor shall analyze requirements; develop and integrate databases and software; and schedule and configure the facility for operations activities including missions, simulations, and training sessions. The contractor shall ensure that all requirements are integrated in preparation for each activity based on appropriate schedules and any mission manifest change.

2.4.1 Operations Preparation

The contractor shall:

- a. Ensure that all requirements and support commitments are interpreted and documented with regard to facility and system configurations.

- b. Collect and document mission-specific requirements for development, population, and integration of products and systems.
- c. Define, integrate, document, levy, and track intercenter operations support requirements and implementation commitments. Participate in reviews and provide input to GSFC Network documentation.
- d. Evaluate mission support requirements for communications and data systems against current capabilities and identify configuration compatibility concerns. Provide inputs to the production of Program Requirements Document/Program Support Plan (PRD/PSP) and Operations Requirements/Operations Directives (OR/OD).
- e. Provide intercenter access control for operationally critical, private, or otherwise sensitive voice circuits in conformance to NMI 8610.11.
- f. Develop and document operations procedures and management plans.

2.4.2 Product Population/Preparation

The contractor shall:

- a. Assure the availability of and integrate appropriate databases, applications software, special and common use computations, command files, and other products necessary for activity support.
- b. Obtain mission-specific data and populate databases.

2.4.3 Facility Preparation

The contractor shall:

- a. Coordinate and schedule all facility activities, including the configuration and reconfiguration of each facility.
- b. Ensure that all implementation activities are approved and appropriate authorization has been obtained in concert with existing facility status in order to meet operational requirements.
- c. The contractor shall integrate the product load, facility and equipment configurations, and systems to support mission activities.

- d. Ensure that user provided equipment is configured and operational based on mission support documentation and tested for operational readiness prior to mission activities.
- e. Move operational-related furniture and equipment in support of any reconfigurations or activities within each facility.
- f. Document system and facility configurations.

2.5 Operations

The contractor shall prepare, implement and maintain a facility Operations and Maintenance Plan (DRD 815OP-001). The contractor shall provide facility, computer, and communication operations, including the management of all systems within each facility. The contractor shall execute testing, simulation, and real-time activities and ensure that each facility remains operational to support all facility activities. The contractor shall provide user and operations team training on all facilities and provide appropriate support to execute each defined activity.

2.5.1 Facility Operations

The contractor shall:

- a. Coordinate activities between facilities.
- b. Provide operations oversight and coordination with facility and project management during all activities.
- c. Verify operational readiness of systems and internal/external interfaces immediately prior to activity support.
- d. Coordinate recovery operations of facility systems and interfaces.
- e. Assist users in facility resource configuration, operation, and fault recovery.

2.5.2 Computer Operations

The contractor shall:

- a. Provide system monitoring, computer operation, and identification of problems in the hardware, systems configuration, operating systems, commercial-off-the-shelf (COTS) and unique applications software.
- b. Perform system administration and operation of resources and equipment such as computers, consoles, workstations, networks, databases, and other special equipment for local and remote sites.
- c. Configure, test, and validate local network interfaces, including network monitoring, tuning, and optimization. Identify problems in the hardware and software associated with each network.
- d. Perform data flow management for data production, distribution, and storage.
- e. Establish, remove, and monitor activity of accounts on systems consistent with MSFC Automated Information Security (AIS) plans and procedures; ensure that proper action is taken relative to system security alerts and violations; ensure proper maintenance of security set-ups in the operating systems and networks; and provide support for vulnerability assessments and contingency plans.
- f. Perform initial program loads, shutdowns, and recoveries, and verify the systems integrity.
- g. Perform production control and operation of peripheral equipment including storage drives, automated storage libraries, magnetic tape evaluators, and compact disk read-only Memory(CD-ROM) equipment.
- h. Manage removable storage, such as magnetic tapes, and associated storage libraries. Perform tape cleaning and certification.
- i. Operate high-speed printers.
- j. Detect and isolate problems and support problem determination and resolution.
- k. Create backup files for storage and maintenance according to approved configuration management policies and procedures.
- l. Manage computer room activities supporting simultaneous and diverse operations, development, verification, and maintenance.

2.5.3 Communications Operations

The contractor shall:

- a. Ensure that all voice and video systems are properly configured and operational prior to each defined activity..
- b. Monitor and control the voice and video systems and databases during real-time and off-line activities.
- c. Configure and test voice and video interfaces.
- d. Perform system operation, monitoring, tuning, and optimization. Identify voice and video hardware and software problems and support problem resolution.
- e. Configure, test, and validate data communications interfaces, including network monitoring. Identify problems in the hardware and software associated with the data communications network and support problem resolution.

2.5.4 Training

The contractor shall provide training relating to the use and operation of equipment and systems to users, both local and remote, and operators. The contractor shall provide classroom and hands-on training, demonstrations, documentation, training materials, and training records.

2.6 Hardware and Software Maintenance

The contractor shall maintain in a fully operational condition all hardware and software for those systems for which the contractor has responsibility, in accordance with the Operations and Maintenance Plan (DRD 815OP-001). Items to be maintained, consistent with the GFP list, may be added or deleted throughout the period of performance of this contract. In performing this function, the contractor shall:

- a. Maintain a system that contains information on operational failures, incidents, discrepancies, and problem disposition, and resolution.
- b. Maintain a real time, up-to-date service record for each system. The record shall include the date and type of equipment, service performed, list of parts used and costs, staff-hours utilized, and downtime, or time not available for use of equipment.

- c. Prepare and deliver status reports providing information on outages, such as component involved, period of downtime, and corrective actions.
- d. Compile and maintain a list of key contacts responsible for coordinating and conducting the required hardware and software maintenance functions.
- e. Maintain warranty protection and conditions for equipment in warranty.
- f. Maintain vendor subscriptions describing and providing updates and enhancements.
- g. Keep a complete, up-to-date, and accurate list of spare parts and related material necessary to maintain the equipment.
- h. Ensure the availability of parts.
- i. Maintain a working relationship with vendors necessary to obtain required items or maintenance in a timely manner.
- j. Maintain the knowledge and resources necessary to sustain the existing operational software and hardware systems.
- k. Ensure that the maintenance tools, spares, procedures, skills, and response times are adequate to support the operational requirements of the system.

2.6.1 Hardware Maintenance

The contractor shall perform maintenance of existing hardware for remedial, preventive, and, sustaining purposes.

The contractor shall perform preventive maintenance (PM), defined as that maintenance designed to keep the hardware in proper operating condition. The PM is performed on a scheduled basis. In performing the PM on hardware, the contractor shall:

- a. Develop PM schedules which minimize disruption to customer operations.
- b. Perform adjustments, cleaning, lubrication, and replacement of parts as specified according to vendor-published maintenance procedures.
- c. Install latest releases of Field Change Orders (FCO)'s and other hardware updates.

The contractor shall perform remedial maintenance (RM), defined as that maintenance performed which results from equipment failures. It is performed as required on an unscheduled basis. RM shall be performed on all hardware elements. In performing this function, the contractor shall:

- a. Perform RM promptly after notification.
- b. Ensure that the RM is performed to minimize operational impact to the activity.
- c. Plan, implement, and enforce operational procedures to ensure that the system continues to operate according to requirements while any failed component is being replaced or upgraded.

2.6.2 Software Maintenance

The contractor shall perform maintenance of existing operational software for remedial, preventive, and, sustaining purposes. In performing this function, the contractor shall:

- a. Routinely acquire or develop, test, and install approved upgrades to operating systems, COTS products, and facility-specific application software. Software tests and installations shall normally be performed during scheduled system test periods.
- b. Track and renew system software licenses.
- c. Evaluate vendor-supplied updates or patches for applicability.
- d. Implement system software releases.

2.7 Verification

The contractor shall establish a verification program and perform verification and acceptance testing. These activities shall be performed for upgrades to existing systems, mission-specific configurations, and new systems to be integrated in the facility. The contractor shall verify that all systems requirements and designs are implemented correctly.

2.7.1 Verification Plan

The contractor shall develop and implement a Verification Plan to ensure that all GFP and contractor-provided systems perform as specified in the system documentation and as expected by the system users (DRD 815VR-001).

2.7.2 Verification Testing

The contractor shall:

- a. Develop verification test plans and procedures for each verification test and submit for approval by the established authority.
- b. Conduct acceptance and verification tests in accordance with approved procedures for systems, HWCIs, CSCIs, and operational processes.
- c. Document the verification test results.

3. UMS FACILITY SPECIFIC FUNCTIONS

This section describes the specific functions for which the services described in Section 2 are to be performed. The contractor, utilizing the GFP, shall provide all personnel and other resources necessary to support these functions. All services described in Section 2 are applicable to these functions whether or not specifically amplified within this section, except where explicitly stated.

3.1 HUNTSVILLE OPERATIONS SUPPORT CENTER (HOSC)

The contractor shall provide the Huntsville Operation Support Center (HOSC) systems engineering, design and development, activity preparation, operations, maintenance, and verification. The contractor shall perform these integrated activities for the existing and future facilities and systems that make up the HOSC. The facilities comprising the HOSC include the Payload Operations Control Center (POCC), Science Operations Areas (SOA), Shuttle Engineering Support Center (ESC), International Space Station Alpha (ISSA) User Operations Area (UOA), Payload Operations Integration Center (POIC), United States Operations Center (USOC), and general support areas. These facilities are supported by several shared and dedicated systems within the HOSC. Existing HOSC systems include High Data Rate System (HDRS), Data Distribution System (DDS), Central Processor System, Operations Management Information System (OMIS)/Payload Management Information System (PMIS), Spacelab Data Flow System (SDFS), Mission Integrated Planning System (MIPS) Cluster, POCC Graphics, Time Distribution System (TDS), HOSC Administrative Software Application (HASA), HOSC Technical Assessment Laboratory (HTAL), desktop systems, and HOSC communications. HOSC systems under development include Enhanced HOSC System (EHS), Enhanced Mission Communication System (EMCS), Payload Planning System (PPS), Payload Data Support Services (PDSS), and Microgravity Laboratory (MGL). Both HOSC existing systems and systems under development include the capability for remote access to HOSC data. The contractor will assume responsibility for the completion of the development, the integration, and the maintenance of the EHS and EMCS. The contractor shall integrate an implementation of the EHS into the AXAF OCC in Cambridge, MA and be responsible for the maintenance of the software until one year after the AXAF launch. The contractor shall maintain a portion of the PPS. The contractor shall have responsibility for portions of the development and maintenance of the PDSS. The contractor shall complete the development of the MGL User Operations Facility (UOF) and MGL Integrated Communications System (MICS) and perform overall system verification responsibilities. In addition, this section covers related facilities and capabilities, including the Man Systems Integration Laboratory (MSIL), the Mission Planning Systems (MPS) for development, Operations Control Mission Software (OCMS), and dispersed desktop systems.

3.1.1 Program Management

The contractor shall exercise HOSC management functions through participation in groups and boards. The HOSC is controlled and managed by a series of three groups: HOSC Management Coordination Group (HMCG), HOSC Operations Coordination Group (HOCG), and the Data Systems Coordination Group (DSCG). The HMCG is the parent board which controls all HOSC requirements, configurations, schedules, and costs. Responsibility has been delegated to the HOCG for control of HOSC facility, communication, operations, maintenance, and account reconfiguration and implementation. Responsibility has been delegated to the DSCG for database, data system, and software control. The specific relationships and responsibilities for each group are defined in HOSC Functional Requirements and Implementation Plan, MSFC-PLAN-904. The MGL User Operations Facility (UOF) and the MGL Integrated Communications System (MICS) are controlled and managed by the HMCG. All other MGL activities are controlled and managed by Microgravity Project Office. The SDFS is controlled by the Data Management Software Control Board (DMSCB). The MPS is controlled by the Planning Systems Software Control Board (PSSCB). The MSIL and OCMS are controlled by review boards within the cognizant branches.

3.1.2 Systems Engineering

The contractor shall ensure that HOSC and related facilities, capabilities, and configurations fully support mission operations and development objectives. Specifically, the contractor shall:

- a. Assess all ECRs submitted to the HMCG.
- b. Assess all HOSC-related change requests referred by program control boards, for example, ISSA, Spacelab or AXAF.
- c. Maintain a current assessment of all open work on HOSC and related systems.
- d. Assess ECR's referred by the Microgravity Project Office MGL control board.
- e. Provide systems coordination for external facilities utilizing HOSC components and architectures.
- f. Maintain familiarity with the HOSC and related mission operations disciplines such as mission planning, data management, operations control, and human engineering.

3.1.3 Design and Development

The contractor shall perform design and development for existing HOSC and related systems and enhancements. Specifically, the contractor shall:

- a. Provide design and development assessments of ECRs.
- b. Design and develop approved upgrades to existing systems including the HDRS, DDS, Central Processor System, OMIS/PMIS, SDFS, MPS, MIPS Cluster, POCC Graphics, TDS, HASA, OCMS, HTAL, desktop systems and HOSC communications.
- c. Complete the design and development of systems including the EHS, EMCS, PDSS, MGL UOF, and MGL MICS.
- d. Ensure all MGL areas and systems are properly interfaced.
- e. Design and develop simulators or prototypes of man-machine interfaces to be demonstrated, tested or evaluated in the MSIL.

3.1.4 Activity Preparation

The contractor shall perform HOSC and related systems activity preparation. The following tasks are specific to the HOSC and related systems activity preparation:

- a. Assess and implement all HOSC Configuration Requests (HCR) changes.
- b. Coordinate and track all room configurations within the HOSC. Provide computer-aided design (CAD) drawings for any reconfiguration change and new facility development.
- c. Establish and configure services for remote sites including installation and removal of HOSC equipment at remote sites.

3.1.5 Operations

The contractor shall perform HOSC operations. The contractor shall perform the following specific tasks.

- a. Monitor, track, and, in some cases, initiate scheduling requests, change requests, logging information, and problem reports related to the HOSC facility utilizing the HASA.
- b. Request facility maintenance from the appropriate MSFC organization.

- c. Perform computer operations for the HOSC, related systems, and remote sites utilizing available operational tools, techniques, processes, and procedures.
- d. Participate in the HOSC Operations Coordination Group (HOCG) and the HOSC Management Coordination Group (HMCg).
- e. Configure, control, and monitor systems for processing telemetry, uplink, and command data.
- f. Operate the Meteorological Interactive Data Display System (MIDDS) in receiving, transferring and archiving of data. Perform system monitoring, control, and failure recovery on MIDDS. The contractor shall operate the MIDDS during Shuttle launch, pre-launch activities, simulation and test activities, as specified in the MIDDS Operations Support Plan (HOSC-PLAN-007) and the Earth Sciences Information System (ESIS) Functional Requirements Implementation Plan (MSFC-PLAN-1952).
- g. Provide around-the-clock off-console administrative support during mission-related activities.
- h. Operate and maintain the User Assistance Desk (UAD).
- i. Configure, initialize, adjust, operate, and secure MSIL systems in support of test or simulation objectives and procedures specified and conducted by the government.

3.1.6 Hardware and Software Maintenance

The contractor shall maintain, for remedial, preventive, and sustaining purposes, the hardware, software, and audio/video communication systems for the HOSC and related facilities. The contractor shall perform the following specific tasks for these facilities:

- a. Maintain hardware, software, and audio/video communication systems.
- b. Develop, test, integrate, and document upgrades to these systems for sustaining purposes.
- c. Ensure that all necessary equipment is in acceptable operating condition to support scheduled facility activities.

3.1.7 Verification

The contractor shall document and implement a verification process for all current and future HOSC systems. The contractor shall provide verification assessments of ECRs. For the MGL UOF and MICS, the contractor shall perform all verification functions. For the integrated MGL, the contractor shall be responsible only for integrated system requirements verification and integrated system verification acceptance testing.

3.2 PAYLOAD CREW TRAINING COMPLEX (PCTC)/UTILIZATION DEVELOPMENT CAPABILITY (UDC)

The contractor shall provide systems engineering, design/development, activity preparation, operations, maintenance, and verification for the Payload Crew Training Complex (PCTC) and Utilization Development Capability (UDC). The contractor shall perform these activities for existing Spacelab projects in the PCTC and for future ISSA projects in the UDC.

3.2.1 Program Management

The contractor shall exercise PCTC/UDC management functions through participation in groups and boards. The PCTC is managed and controlled by the PCTC Management Control Board (MCB). The PCTC MCB controls the PCTC system requirements, configurations, schedules, costs, engineering changes, and management policies and procedures. The PCTC MCB consists of representatives from each organizational element directly involved in PCTC simulator development, training, and operations. The PCTC Operations Support Group (POSG) monitors the PCTC operations and supports the PCTC MCB by presenting proposed changes, assessing changes, implementing and monitoring decisions, and assuring that the configuration control objectives are met. The UDC will be managed through a similar process and board structure.

3.2.2 Systems Engineering

The contractor shall ensure that PCTC/UDC capabilities and configurations fully support mission training and development objectives. Specifically, the contractor shall:

- a. Assess ECRs submitted to the MCB.
- b. Assess all PCTC/UDC change requests referred by program control boards.
- c. Evaluate at ATP and continue to monitor the status of PCTC simulator development and integration, as well as mission-unique PCTC systems changes.

- d. Monitor the status of UDC systems development tasks and simulator integration.
- e. Identify and coordinate PCTC/UDC activities necessary to support system-level requirements development.
- f. Plan the integration of payload training simulators into the PCTC/UDC host system.

3.2.3 Design and Development

The contractor shall perform hardware, software, and communications systems design and development for PCTC systems and UDC systems. Specifically, the contractor shall:

- a. Complete all existing design, development and integration on PCTC payload simulators.
- b. Design, develop, install, test and checkout PCTC payload simulator hardware and software according to requirements.
- c. Integrate, test, and checkout PCTC user-provided payload simulators according to agreements between MSFC and users.
- d. Design and develop approved upgrades to enable utilization of existing PCTC systems in the ISSA UDC.
- e. Complete the design and development of the ISSA UDC.
- f. Integrate, test and checkout UDC host and simulator software.
- g. Develop, fabricate and install low-fidelity UDC payload racks and faceplates.

3.2.4 Activity Preparation

The contractor shall perform activity preparation tasks to ensure that PCTC/UDC functions are readied for each activity by integrating data bases, hardware, and software within the host systems and simulators, and by configuring and verifying host systems, training simulators, communications systems, GFP, and user-provided equipment.

3.2.5 Operations

The contractor shall operate the PCTC/UDC in support of users' and internal activities. The contractor shall perform the following specific tasks for the PCTC/UDC.

- a. Monitor, track, and, in some cases, initiate scheduling requests, change requests, logging information, and problem reports related to the PCTC/UDC facility.
- b. Assist PCTC/UDC users in planning activities, preparing scheduling requests, and initiating problem reports.
- c. Develop, test, and document contingency and disaster recovery procedures.
- d. Activate, terminate, monitor, and adjust PCTC/UDC systems and simulators in concert with PCTC/UDC users.
- e. Troubleshoot and recover, or develop and implement workarounds for PCTC/UDC systems and simulators in concert with PCTC/UDC users.

3.2.6 Hardware and Software Maintenance

The contractor shall maintain PCTC/UDC hardware, software, and audio/video communication systems for remedial, preventive and sustaining purposes. The contractor shall perform the following specific tasks for the PCTC/UDC:

- a. Maintain PCTC-developed payload simulator hardware and software.
- b. Maintain PCTC/UDC host hardware and software, and audio/video communication systems.
- c. Develop, test, integrate, and document upgrades to PCTC and UDC systems and simulators for sustaining purposes.
- d. Ensure that all necessary equipment is in acceptable operating condition to support scheduled facility activities.

3.2.7 Verification

The contractor shall document and implement a simulator verification process for all current and future PCTC/UDC systems. The contractor shall provide verification assessments of ECRs.

3.3 MSFC DISTRIBUTED ACTIVE ARCHIVE CENTER (DAAC)

The following sections delineate the activities the contractor shall be required to perform for the EOSDIS DAAC for systems engineering, design and development, activity preparation, operations, maintenance, and verification. On an annual basis, the contractor shall document yearly accomplishments, future plans for performance of each of the task categories listed in this section, staffing levels for these tasks and budget estimates for incorporation into the Annual MSFC DAAC Work Plan. On a monthly basis, the contractor shall also document monthly activities in each of the task categories.

3.3.1 Program Management

The contractor shall perform all requirements specified in section 2.1 of this SOW with the exception of section 2.1.3, 2.1.4, and the physical security portion of 2.1.5. These excepted requirements are the responsibility of the University of Alabama in Huntsville. NASA Headquarters designated the Global Hydrology and Climate Center as a sub-installation to MSFC. This requires that the University of Alabama, the lessee of the building, be accountable and responsible for all government furnished property within the building. As part of configuration management, the contractor shall maintain the following documentation:

- a. ESIS Functional Requirements and Implementation Plan (MSFC-PLAN-1952)
- b. DAAC Operations Plan (MSFC-PLAN-2271)
- c. System Software Requirements Document
- d. MSFC DAAC Configuration Management Plan
- e. Science Software Requirements and Integration Document
- f. DAAC Operations Procedures
- g. Automated Information Security Plan

The DAAC is managed and controlled by the ESIS control board. The contractor shall exercise DAAC management functions through participation in this board. The contractor shall perform configuration management on all data holdings within the MSFC DAAC.

3.3.2 Systems Engineering

The contractor shall perform the development of system-level computational and communications requirements for the DAAC-unique extension to the EOSDIS Core System (ECS). These requirements shall be derived from the Mission to Planet Earth program, the Goddard Space Flight Center (GSFC) EOSDIS project, and user

documentation and requests. The contractor shall perform system analyses, trade studies, and assessments that examine costs and risks for the DAAC-unique extension. The contractor shall perform operations integration and planning of the DAAC-unique extension into the ECS. The contractor shall develop hardware and software prototypes to be incorporated into the DAAC-unique extension. Systems requirements development, system analyses, integration and planning activities and special studies for the DAAC-unique extension shall be developed.

The contractor shall participate in the development of the ECS by attending ECS reviews, ESDIS project focus team meetings, and evaluating ECS prototypes.

The contractor shall perform all tasks necessary to define, integrate, document and track intercenter program and project requirements. The contractor shall be required to interface with various NASA field centers, other governmental agencies, international entities, universities and private industry in the performance of this task. The contractor shall prepare and maintain appropriate interface requirement and interface control documents.

3.3.3 Design and Development

The contractor shall perform design engineering for computational and communications software and hardware for the DAAC-unique extension. This includes design and development of interfaces to the ECS for the DAAC-unique system. The contractor shall prepare system designs; develop/build subsystems, components, or unit items; integrate and assemble system parts; and deliver and install the DAAC-unique extension as an operational system into the DAAC facility.

The contractor shall perform design engineering for computational software and hardware requirements for upgrades to the existing Version 0 system. The contractor shall prepare system designs; develop/build subsystems, components, or unit items; integrate and assemble system parts; and deliver and install the additions or changes to the Version 0 system as an operational system.

3.3.4 Activity Preparation

In preparation for operations activities, the contractor shall collect requirements, develop and integrate data bases and software, and ensure system readiness for the DAAC-unique extension to the EOSDIS Core System (ECS). These activities include preparation for satellite launches and field campaigns, Science Computing Facility (SCF) interface testing, end-to-end testing, incorporation of science algorithms into the ECS and/or DAAC-unique extensions to support new missions, and new dataset ingest.

3.3.5 Operations

The contractor shall operate the Version 0 DAAC and the DAAC-unique extension during prime shift hours five days per week. The contractor shall operate the ECS component of the DAAC during prime shift hours seven days per week. The contractor shall provide computer and communications operations including the management of all systems within the DAAC facility and execution in accordance with the MSFC-PLAN-2271. Operational functions which shall be performed by the contractor include but are not limited to systems administration and management, network management, data base administration, archive management including ingest of historical and real-time data and products, data distribution, and routine processing and reprocessing of scientific data products. The contractor shall maintain and update operational procedures for Version 0, ECS and the DAAC-unique extension to the ECS. The contractor shall utilize the existing processes for reporting problems and requesting changes to the system which are described in the MSFC DAAC Configuration Management Plan.

Additionally the contractor shall comply with security requirements by ensuring that all personnel security matters, information security, secure facility, system operation, procedures, and interfaces are managed and controlled in accordance with established MSFC policies. Operational activities for the Version 0 system, the ECS, and the DAAC-unique extension shall be performed in accordance with Sections 2.5 with the exception of Section 2.5.3.

3.3.6 Hardware and Software Maintenance

The contractor shall perform hardware maintenance on the Version 0 and DAAC-unique extension to the ECS systems. In addition, the contractor shall also maintain the ECS system hardware of this SOW after successful completion of government acceptance testing. The contractor shall also perform application software maintenance for the Version 0 and DAAC-unique extension. This will consist of software modification, configuration management, installation, and verification of application software and RDBMS files. The contractor shall maintain all COTS software and operating systems for the Version 0 system and DAAC-unique extension to the ECS ensuring that the latest versions available are installed and tested.

3.3.7 Verification

The contractor shall define, establish, document and implement a system verification process from the requirements phase through the operations phase of the DAAC-unique system. The contractor shall participate in reviews of ECS and the EOSDIS IV&V test plans, provide witness testing of the ECS and provide assessments of the testing. The contractor shall develop test plans for key system functions of the ECS

located within in the DAAC at MSFC. The contractor shall perform the tests as described in this test plan. The contractor shall verify all Version 0 system changes in accordance with existing procedures. The contractor shall update any Version 0 verification procedures.

APPENDIX A

APPLICABLE/REFERENCE DOCUMENTS

Listed below are documents pertinent to the performance of the UMS Statement of Work. Applicable documents govern and specify processes and products. Reference documents contain relevant information.

A.1 Applicable UMS Documents

MSFC PLAN 904	HOSC Functional Requirements and Implementation Plan
HOSC PLAN 005	HOSC Systems Management Plan
HOSC PLAN 007	MIDDS Operations Support Plan
HOSC PLAN 008	MIDDS Operations Test Plan
MSFC RQMT 975	HOSC Generic PP Requirements
MSFC RQMT 1178	POCC Spacelab Common Use Computations
MSFC RQMT 1430	Shuttle PPS Common Use/Special Computation Requirements
MSFC RQMT 1440	Generic Requirements for the HOSC Enhanced Data System
MSFC RQMT 2436	EMCS System Requirements Document
MSFC RQMT 2437	EMCS Video System Requirements Document
MSFC RQMT 2499	HOSC Security Requirements Document
MSFC STD 555	MSFC Engineering Documentation Standard
MSFC STD 1274	MSFC POCC Telemetry Standard
MSFC STD 1956	HOSC Common User Interface Standard, Displays
MSFC SPEC 2237	EHS Protocol

A.2 Reference Documents

PMIS-HDBK 1460	Payload Management Information System User's Handbook
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MSFC HDBK 1550	Spacelab Operations Management Information System User's Handbook
HOSC HDBK 001	HOSC Operations Handbook
HOSC PLAN 009	HOSC Contingency Plan
MSFC RQMT 700-1	PCTC Contingency Plan
MSFC RQMT 700-2	PCTC Capabilities Document
MSFC RQMT 700-3	PCTC External Interface
MSFC RQMT 701-1	PCTC Computer Configuration
MSFC RQMT 701-2	Spacelab Module CCTV
MSFC RQMT 701-3	PCTC Communications Control Center
MSFC RQMT 702-1	JSC/SMS/SLS Communications ICD
MSFC RQMT 702-2	Host Software Specification
MSFC RQMT 702-3	OCT Control Task User's Manual
MSFC RQMT 702-5	Simulator Library User's Manual
MSFC RQMT 702-6	GTSG User's Manual
JA 711	ESRSDD Handbook
JA-839	Simulations Operations Handbook
MSFC DOC 2545	Concept Document for the UDC
MSFC DOC 2546	Prime Item Development Specification for the UDC
SST-420	PTC System Design Review

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DATA PROCUREMENT DOC.	
NO.	ISSUE
815	Basic

NAS8-44000

CONTRACT/RFP

EXHIBIT NUMBER

J-2

ATTACHMENT NUMBER

Utilization and Mission Support (UMS)

PROJECT/SYSTEM

DATA PROCUREMENT DOCUMENT

CONTRACTOR

June 1, 1996

DATE _____

**National Aeronautics and
Space Administration**

National Aeronautics and Space Administration

DOCUMENT CHANGE LOG

DATA PROCUREMENT DOC.

NO. ISSUE

815 Basic

- ☐ INCORPORATED REVISIONS
☐ OUTSTANDING REVISIONS

AS OF:

SUPERSEDING: PAGE:

AUTHORITY

PORTION AFFECTED - PAGE NO./NO.

REMARKS

INTRO

SGR

DRL

DRD

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1.0 INTRODUCTION

1.1 Scope: Subject to the Rights in Data clause, this Data Procurement Document (DPD) sets forth the data requirements in each Data Requirements Description (DRD) and shall govern that data required by the DPD for the contract. The contractor shall furnish data defined by the DRD's listed on the Data Requirements List (DRL) by category of data, attached hereto, and made a part of this DPD. Such data shall be prepared, maintained, and delivered to MSFC in accordance with the requirements set forth within this DPD. In cases where data requirements are covered by a Federal Acquisition Regulation (FAR) or NASA FAR Supplement (NFS) regulation or clause, the regulation will take precedence over the DPD, per FAR 52.215.33.

1.2 DPD Description: This DPD consists of a Document Change Log, a Page Revision Log, a Table of Contents, an Introduction, a Statement of General Requirements, DPD maintenance procedures, a DRL, and the DRD's.

1.2.1 General Requirements: The general requirements, as specified in paragraph 2.0 of this DPD, prescribe those requirements applicable to the preparation, maintenance, and delivery of data that are better defined in aggregate than in the individual DRD's.

1.2.2 Data Requirements List (DRL): Throughout the performance of the contract, the DRL provides a listing by data category of the data requirements of the DPD.

1.2.3 Data Requirements Descriptions (DRD's)

1.2.3.1 Each data requirement listed on the DRL is given complete definition by a DRD. The DRD prescribes content, format, maintenance instructions, and submittal requirements.

1.2.3.2 For the purpose of classification and control, DRD's of this DPD are grouped into the following broad functional data categories:

<u>CATEGORY SYMBOL</u>	<u>DESCRIPTION</u>
CD	Contractual Data
CM	Configuration Management
LS	Logistics/Support
MA	Management
OP	Mission Operations
SA	Safety
SE	Systems Engineering
VR	Verification

1.2.3.3 The symbols representing these data categories form part of the prefix of the DRD identification number. The first numerical characters reflect the DPD number.

1.2.3.4 To facilitate the usage and maintenance of the DPD, the DRD's have been sectionalized in accordance with the above data categories.

1.2.3.5 The DRD's are filed by data category and are in alpha-numeric sequence as listed on the DRL page (or pages) that precedes the DRD's.

1.2.4 Document Change Log (DCL) and Page Revision Log (PRL): The Document Change Log chronologically records all revision actions that pertain to the DPD. The Page Revision Log describes the current revision status of each page of the DPD and thus, at all times, provides its exact configuration.

- 1.2.5 DPD Maintenance Procedures: Maintenance procedures define the detailed methods to be employed in maintaining the DPD. Detailed maintenance procedures are specified in paragraph 3.0 of this DPD.
- 1.3 Data Types for Contractual Efforts: The types of data and their contractually applicable requirements for approval and delivery as listed in MMI 2314.6 are as follows:

<u>TYPE</u>	<u>DESCRIPTION</u>
1	All issues and interim changes to those issues require written approval from the requiring organization before formal release for use or implementation.
2	MSFC reserves a time-limited right to disapprove in writing any issues and interim changes to those issues. Data shall be submitted to the procuring activity for review not less than 45 calendar days prior to its release for use or implementation. The contractor shall clearly identify the release target date in the "submitted for review" transmittal. If the contractor has not been notified of any disapproval prior to the release target date, the data shall be considered approved. To be an acceptable delivery, disapproved data shall be revised to remove causes for the disapproval before its release.
3	These data shall be delivered by the contractor as required by the contract and do not require MSFC approval. However, to be a satisfactory delivery, the data must satisfy all applicable contractual requirements.
4	These data are produced or used during performance of the contract and are retained by the contractor. They shall be delivered when MSFC requests it according to instructions in the request. The contractor shall maintain a list of these data and shall furnish copies of the list to MSFC when requested to do so.
5	These data are incidental to contract performance and are retained by the contractor in those cases where contracting parties have agreed that delivery is not required. However, the Contracting Officer or the Contracting Officer's Representative shall have access to and can inspect this data at its location in the contractor's or subcontractor's facilities.

2.0 STATEMENT OF GENERAL REQUIREMENTS

- 2.1 Applicable Documents: Documents included as applicable documents in this DPD are the issue specified in the Statement of Work, and form a part of the DPD to the extent specified herein. References to documents other than applicable documents in the data requirements of this DPD may sometimes be utilized. These do not constitute a contractual obligation on the contractor. They are to be used only as a possible example or to provide related information to assist the contractor in developing a response to that particular data requirement.
- 2.2 Subcontractor Data Requirements
- 2.2.1 The contractor shall specify to subcontractors and vendors, if any, the availability source of all data required for the satisfactory accomplishment of their contracts. The contractor shall validate these requirements for documents when appropriate; where the requirement concerns other contractor data, the contractor shall provide his subcontractor or vendor with the necessary documents. All such requests shall be accomplished under the auspices of the contractor.

- 2.2.2 Reference to subcontractor data in the contractor's responses is permissible, providing the references are adequate and include such identification elements as title, number, revision, etc., and a copy of the referenced data is supplied with the response document at time of delivery to MSFC.
- 2.3 Printing: All printing, duplicating, or binding shall be in accordance with NFS 18-52.208-81, Restrictions on Printing and Duplicating. Printing of formal reports and Type 1 and 2 data in book format shall be in accordance with the following general specifications:
- Method of reproduction – offset/xerography.
 - Finished size – 8 1/2" X 11".
 - Paper – 20-pound opaque bond.
 - Cover – Litho cover stock.
 - Pages will be printed on both sides; blank pages will be avoided when possible.
 - Oversize pages will be avoided when possible, but if necessary will be folded to 8 1/2" X 11".
 - Binding shall be the most economical method commensurate with the size of the report and its intended use.
- 2.4 Microfilm: When microfilm of drawings, specifications, and associated lists is required, it shall be 35 mm silver halide negative, first generation (Type 1, Class 1) in accordance with MIL-M-9868. Documents to be microfilmed shall be logged in accordance with MIL-STD-804. Input Form DD Form 1562, Dual Purpose Engineering Document Card, shall be used for microfilm purposes. The microfilm shall be submitted in the form of roll microfilm or master microfilm aperture cards. If microfilm rolls are used, they shall not exceed 100 feet in length.
- 2.5 Distribution
- 2.5.1 Distribution requirements of required documentation shall be in quantities determined by and to the addresses noted on a separate distribution list to be furnished by the Contracting Officer.
- 2.5.2 When A Reproducible Is Required: Microfilm or an unbound copy shall be provided. The microfilm shall conform to paragraph 2.4. The unbound copy shall be of good black and white quality suitable for reproduction by microfilm or photocopy (or equivalent process).
- 2.5.3 Data Format Using Automated Data Processes: Selection of automated data processes for the format of data submittals shall be made at the option of the contractor unless specified otherwise in this contract. Choice of automated versus manual formats for specific documentation submittals, as required by this DPD, shall be made giving full consideration to cost of preparation of the item, criticality of schedule performance, and usability of the documentation involved. Regardless of which method (automated or manual) is selected, the data submittal shall conform to the content requirements specified in the applicable data requirements description. In instances where minor changes to these content requirements will result in significant cost reductions without affecting the usability of the documentation involved, the Contracting Officer shall be so advised with appropriate recommendation as to changes.

- 2.5.4 When Electronic Data Submission Is Required: The contract will specify if part or all data will be transmitted from the contractor in this manner. Data submitted under the data submission requirements of the individual DRD's shall be transmitted by electronic means and specified format unless otherwise directed by the Contracting Officer. Electronic data transmittal shall be in accordance with paragraph 2.5.4.1 below and directed to the Documentation Repository at MSFC. MSFC document, MMI 2210.1, specifies the requirements for utilizing the Documentation Repository.
- 2.5.4.1 MSFC has the capability of receiving the following data formats for importing into the MSFC Documentation Repository system. Computer Aided Design (CAD) drawings will be submitted in both the original vector and raster graphics (bit-mapped) image formats and will be stored in both formats. CAD drawing files will be in native vector format, Hewlett-Packard Graphic Language (HPGL) file formats, Computer-aided Acquisition and Logistic Support (CALS) Type 1 [Product and Technical Publication Consultative Committee for International Telegraph and Telephone (CCITT) Group 4 image formats], and Tagged Image File Format (TIFF) file formats from raster-based systems.
- a. TIFF Uncompressed Images.
 - b. TIFF Compressed Type 2 CCITT Group 3 Images.
 - c. TIFF CCITT Group 3 Images.
 - d. TIFF CCITT Group 4 Images.
 - e. TIFF 2 Byte Aligned Uncompressed Images.
 - f. TIFF Pack Bits Images.
 - g. CALS Type I Product CCITT Group IV Images.
 - h. CALS Type I Tech Pub CCITT Group IV Images.
 - i. CALS Type II CCITT Group IV Tiled Images.
 - j. HPGL (Hewlett-Packard Graphic Language) Data Files.
- 2.5.4.2 Submitted data in electronic format will be in two separate files. These files will be labeled with the document name as the filename and two defining extensions.
1. a. MSFC-STD-222.TIF
 2. MSFC-STD-222.DAT
 - b. MSFC-STD-222.CAL
 - c. MSFC-STD-222.RAS
 - d. MSFC-STD-222.XXX
- 2.5.4.3 The first extension will reference the raster or graphical language. The second file extension will reference the ASCII delimited file for the particular drawing/document. Item 1.d. will define the extension for CAD drawing files containing the original vector format. The contractor shall propose a suitable extension based upon the type of CAD system. The proposed extension will be approved by MSFC. Item 2: this filename will identify the delimited ASCII file with a suitable extension, i.e., .DAT, .TXT, .ASC, etc.
- 2.6 Contractor's Internal Documents: The contractor's internal documents shall be used to meet the data requirements of this DPD unless a specific format is required by the applicable DRD.
- 2.7 Document Identification: Type 1 and 2 documents published by the contractor and submitted in response to the data requirements of this DPD shall be identified within an organized identification numbering system prescribed to MSFC by the contractor and, if applicable, as approved by MSFC. This number, change legend, date, and title constitute the minimum identification of the specific document and shall appear on the cover and title page. The contract number shall also appear on the cover and title page as separate markings. The originator and organization shall be included on the title page. The document number, change legend and date shall appear on each page of the document. In the front matter of

each document, identify the DPD number and applicable DRD number(s) required for document preparation. Successive issues or revisions of documents shall be identified in the same manner as the basic issue and shall have appropriate change identification. Drawings and ECP's are excluded from the marking provisions of this paragraph. All Type 1 documentation, excluding configuration management requirements, will be marked "PRELIMINARY PENDING MSFC APPROVAL," and once approved shall be reissued with "APPROVED BY MSFC" and the date and approval authority annotated on the cover.

- 2.8 Reference to Other Documents in Data Submittals: All referenced documents shall be made readily available to the cognizant MSFC organization upon request. The contractor should make sure that the references are available to MSFC in a manner which does not incur delays in the use of the response document.
- 2.9 Maintenance of Type 1 Document Submittals
 - 2.9.1 Revisions of Type 1 documentation may be accomplished either by individual page revision or by a complete reissue of the document identified in accordance with requirements of 2.7 above, with the exception of drawings (which shall be revised in accordance with contract configuration management requirements).
 - 2.9.2 Individual page revisions shall be made as deemed necessary by the contractor or as directed by the Contracting Officer.
 - 2.9.3 A Type 1 document shall be completely reissued when, in the opinion of the contractor and/or MSFC, the document has been revised to the extent that it is unusable in its present state, or when directed by the Contracting Officer. When complete reissues are made, the entire contents of the document shall be brought up to date and shall incorporate revised pages. All revisions shall be recorded. A revision log shall identify complete reissues except for periodic reports and documents which are complete within themselves as final.
 - 2.9.4 Changes of a minor nature to correct obvious typing errors, misspelled words, etc., shall only be made when a technical change is made, unless the accuracy of the document is affected.
 - 2.9.5 All revised pages shall be identified by a revision symbol and a new date. Each document shall contain a log of revised pages that will identify the revision status of each page with the revision symbol. This list shall follow the table of contents in each document. The line or lines revised on a given page shall be designated by the use of vertical line in the margin of the page, and the change authority shall be indicated adjacent to the change.
 - 2.9.6 Contractor Type 1 documents shall not be submitted containing pen and ink markups which correct, add to, or change the text, unless schedule problems exist and approval is obtained in writing from the Contracting Officer. Such markups, however, shall not exceed 20 percent of the page content and shall be acceptable provided that the reproduced copies are legible. In addition, hand-drawn schematics, block diagrams, data curves, and similar charts may be used in original reports in lieu of formally prepared art work, as long as legibility of copies is not impaired. Acceptability will be determined by the Contracting Officer.
- 3.0 DPD MAINTENANCE PROCEDURES
 - 3.1 MSFC-Initiated Change: New and/or revised data requirements will be incorporated by contract modification to which the new or revised portion of the DPD will be appended. The contractor shall notify the Contracting Officer in the event a deliverable data requirement is imposed and is not covered by a DRD, or when a DRD is changed by a contract modification and for which no revision to DPD is appended. In such cases, the contractor

shall submit the requested changes to MSFC for approval. See paragraph 3.3.1 for change procedures.

- 3.2 Contractor-Initiated Change: Contractor-proposed data requirements, or proposed changes to existing requirements shall be submitted to MSFC for approval.
- 3.3 DPD Change Procedures
 - 3.3.1 Changes to a contractual issue of this DPD will be identified by MSFC on the Document Change Log and Page Revision Log. The actual revised material on the DPD page will be identified by placing a heavy vertical line in the right-hand margin extending the entire length of the change. In addition, the numerical control number of the contractual direction authorizing the change shall be placed adjacent to the vertical revision line. These revision identifiers shall be used to reflect the current revision only; any previous symbols on a page will be deleted by the current revision.
 - 3.3.2 The date of the contractual direction paper, e.g., Change Order, Supplemental Agreement, or Contracting Officer's letter shall be entered under the "Status " column of the Page Revision Log adjacent to the affected page or DRD number, and in the "as of" block. The date that was in the "as of" block will be entered in the "Superseding" block.
 - 3.3.3 The Document Change Log entitled "Incorporated Revisions" will be changed to indicate the number, portions affected, and associated Supplemental Agreement number, if applicable.
 - 3.3.4 The Document Change Log entitled "Outstanding Revisions" is changed periodically to indicate outstanding Change Orders and Contracting Officer notification letters.
- 3.4 DPD Reissues
 - 3.4.1 When conditions warrant, the DPD will be reissued by MSFC and will supersede the existing DPD in its entirety. Reissues will be issued by contractual direction.
 - 3.4.2 All revision symbols (vertical lines and contractual direction control numbers) and revision dates will be removed from all pages. The issue symbol, which will commence with "A" and progress through "Z," will be entered in the DRD identification block of each DRD page of the DPD. The date of the contractual direction will be entered on the cover page of the DPD. This issue symbol will also be entered under the "Status" column on the Page Revision Log adjacent to each page and DRD entry. Document Change Logs will otherwise be changed in the same manner as for DPD revisions.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 815 ISSUE: Basic 2. DRD NO.: **815CD-001**
3. DATA TYPE: 2 4. DATE REVISED:
5. PAGE: 1/1
6. TITLE: Security Plan for Unclassified Federal Computer Systems
7. DESCRIPTION/USE: To document the safeguards used to ensure the availability, integrity, and confidentiality of computers, networks, and information.
8. OPR: AI31 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: 30 days after Contracting Officer's written request
12. SUBMISSION FREQUENCY: Revisions as required
13. REMARKS: Reference is made to Public Law 100-235, *Computer Security Act of 1987*; NMI 2410.7, *Assuring the Security and Integrity of NASA Automated Information Resources*; and NHB 2410.9, *NASA Automated Information Security Handbook*.
14. INTERRELATIONSHIP: See contract clause section of RFP. SOW paragraph 2.1.5.
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** The plan shall document the safeguards used to ensure the security of all computers, networks, and information acquired and utilized in the performance of the contract by contractor and subcontractor personnel.

This plan shall document the security procedures, Government/contractor relationships and assigns responsibilities for all building equipment and personnel security required for the activity specified in the SOW. The plan is applicable to all contractor and subcontractor personnel.

This plan shall document the scope, procedures, Government interfaces, and responsibility to obtain appropriate clearances and operating procedures that ensure the integrity, availability and confidentiality of FIPS resources, and maintain accountability necessary for the MSFC information technology security requirements.
- 15.2 **APPLICABLE DOCUMENTS**
NFS 18-52.204-77 *Submission of Security Plan for Unclassified Federal Computer Systems*
(Sep 1993)
NFS 18-52.204-78 *Security Plan for Unclassified Federal Computer Systems*
(Sep 1993)
- 15.3 **CONTENTS:** This plan shall document the safeguards used to meet the five requirements defined in NFS 18-52.204-77 and NFS 18-52.204-78.
- 15.4 **FORMAT:** Contractor format is acceptable. An existing corporate security plan may suffice.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

UTILIZATION AND MISSION SUPPORT (UMS) DATA REQUIREMENTS LIST

<u>DRD</u>	<u>DATA TYPE</u>	<u>TITLE</u>	<u>OPF</u>
CD - Contractual Data			
815CD-001	2	Security Plan for Unclassified Federal Computer Systems	AI3
815CD-002		RESERVED	
815CD-003	3	Employee Location Listing	GP2
CM - Configuration Management			
815CM-001	2	Configuration Management Plan	EL3
815CM-002	1	Specifications	EL3
815CM-003	4	Engineering Drawings & Associated Lists	EL3
815CM-004	1	Engineering Change Requests & Associated Documentation	EL3
815CM-005	1	Deviation/Waiver Approval Request	EL3
LS - Logistics/Support			
815LS-001	2	Government Property Management Plan	CN4
MA - Management			
815MA-001	2	Program Management Plan	BD0
815MA-002	3	Financial Management Report (533M & 533Q)	BF0
815MA-003	3	Progress Report	BD0
815MA-004	3	Work Breakdown Structure (WBS) and WBS Dictionary	BD0
OP - Mission Operations			
815OP-001	2	Operations/Maintenance Plan	EO0
SA - Safety			
815SA-001	3	Mishap Report	CR2
815SA-002	2	Safety and Health Plan	CN21/C
SE - Systems Engineering			
815SE-001	2	System Development Plan	EO0
VR - Verification			
815VR-001	2	Verification Plan	EO0

DATA REQUIREMENTS DESCRIPTION (DRD)

- | | | |
|------------------------|--------------|-------------------------------------|
| 1. DPD NO.: 815 | ISSUE: Basic | 2. DRD NO.: 815CD-003 |
| 3. DATA TYPE: 3 | | 4. DATE REVISED: |
| | | 5. PAGE: 1/1 |
6. **TITLE:** Employee Location Listing
 7. **DESCRIPTION/USE:** To assist NASA in conducting contractor floor checks.
 8. **OPR:** GP24 **ODM:** EO01 9. **CDRM:** EL32
 10. **DISTRIBUTION:** Per Contracting Officer's letter
 11. **INITIAL SUBMISSION:** Fifteenth of month following first month of operation after Authority to Proceed (ATP)
 12. **SUBMISSION FREQUENCY:** Update quarterly. If deemed necessary by the Contracting Officer, the contractor shall submit the list at times other than stated.
 13. **REMARKS:** Reference is made to FAR 52.215-2, *Federal Acquisition Regulation* Clause: Audit - Negotiation.
 14. **INTERRELATIONSHIP:** SOW paragraph 2.1.7
 15. **DATA PREPARATION INFORMATION:**
 - 15.1 **SCOPE:** The Employee Location Listing shall provide NASA with a list of all on-site and off-site contractor employees working under this contract and their designated locations.
 - 15.2 **APPLICABLE DOCUMENTS:** None
 - 15.3 **CONTENTS:** The list shall include the following information for each employee: employee's name, position, location (building/room number), square footage, shift assignment, supervisor's name, and supervisor's location (building/room number).
 - 15.4 **FORMAT:** Contractor format is acceptable.
 - 15.5 **MAINTENANCE:** None required

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** 815CM-001
3. **DATA TYPE:** 2
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Configuration Management Plan
7. **DESCRIPTION/USE:** To describe the contractor's method for accomplishing the configuration management requirements of the contract.
8. **OPR:** EL31 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** 60 days after Authority to Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Once, revise as required
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.6
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The CM Plan provides the contractor's proposed management approach for implementation of configuration management for HWCI's and SWCI's developed and/or maintained per the requirement of the contract.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:** The CM Plan shall define the configuration management requirements, planned implementation methods, configuration verification methods, and schedules. The contents shall define the contractor's methods for generating the configuration identification documentation; maintaining existing documentation; generating and processing Engineering Change Requests (ECR's) and Deviation Approval Requests (DAR's); and evaluating Engineering Change Proposals (ECP's), ECR's, and DAR's submitted to the Government for evaluation or implementation. The CM Plan shall define the contractor's program for verification of the configuration identification documents and verify that all hardware and software is in accordance with the configuration identification and contractual requirements. The contractor's verification methods shall be addressed by the following:
 - a. Demonstrating that the contractually required qualification verification was accomplished.
 - b. Demonstrating that the contractually required acceptance verification was accomplished.
 - c. Identifying "delta" between as-designed and as-built hardware and software.
 - d. Identifying the authority for each delta.
 - e. Updating the product drawings and specifications to incorporate appropriate deltas.
- 15.4 **FORMAT:** Contractor format is acceptable with MSFC approval.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue. Update as required to maintain current with program changes.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 815 ISSUE: Basic 2. DRD NO.: **815CM-002**
3. DATA TYPE: 1 4. DATE REVISED:
5. PAGE: 1/2
6. TITLE: Specifications
7. DESCRIPTION/USE: To specify the detailed performance and design requirements.
8. OPR: EL31 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: See Attachment A
12. SUBMISSION FREQUENCY: See Attachment A
13. REMARKS: Development Specifications: As required to define development requirements for any HWCT's or SWCT's to be developed per the requirements of the contract. Product Specifications: As required to define the as-designed/as-built configuration of items developed per the requirements of this contract or to support the acquisition of commercial hardware or software required per the requirements of this contract.
14. INTERRELATIONSHIP: SOW paragraph 2.1.6
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** Specifications provide the performance, design detail, and verification requirements for the system and support equipment.
- 15.2 **APPLICABLE DOCUMENTS**

MIL-STD-490A	<i>Military Standard, Specification Practices</i>
MSFC-STD-555	<i>MSFC Engineering Documentation Standard</i>
- 15.3 **CONTENTS:** The specifications shall provide the performance, design detail, and verification requirements in accordance with the requirements for the type selected from Attachment A of this DRD and MIL-STD-490AA. The specifications shall be released and maintained current in accordance with the requirements of MSFC-STD-555.
- 15.4 **FORMAT:** The format shall conform to the instructions of MIL-STD-490AA for the preparation of the specifications listed in Attachment A of this DRD.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue. Changes shall be submitted by Specification Change Notice, via an Engineering Change Request, as described in MSFC-STD-555.

DRD Continuation Sheet**TITLE:** Specifications
DATA TYPE: 1**DRD NO.:** 815CM-002
PAGE: 2/2**ATTACHMENT A**

A	Type B1, Prime Item Specifications per MIL-STD-490A	As required	Revision as required
B	Type B2, Critical Item Specifications per MIL-STD-490A	As required	Revision as required
C	Type C1, Prime Item Specifications per MIL-STD-490A	As required	Revision as required
D	Type C2, Critical Specifications per MIL-STD-490A	As required	Revision as required
E	Type C3, Noncomplex Fabrication Specifications per MIL-STD-490A	As required	Revision as required
F	Type B5, Software Development Specifications per MIL-STD-490A, Appendix VI	As required	Revision as required
G	Type C5, Software Product Specifications per MIL-STD-490A, Appendix XIII	As required	Revision as required

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 815 ISSUE: Basic 2. DRD NO.: **815CM-003**
3. DATA TYPE: 4 4. DATE REVISED:
5. PAGE: 1/1
6. TITLE: Engineering Drawings and Associated Lists
7. DESCRIPTION/USE: To provide engineering data to define the design to the extent required to support manufacturing, test, and logistics support of the systems and required spare and repair parts. Engineering drawings shall also be provided that depict detailed configuration definition of the electrical, pneumatic, fluid equipment and system interfaces for required ground support equipment.
8. OPR: EL31 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: Per Contracting Officer's letter
12. SUBMISSION FREQUENCY: As required
13. REMARKS:
14. INTERRELATIONSHIP: SOW paragraph 2.1.6
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** Engineering drawings disclose (directly or by reference), by means of graphics or textual presentation, or combinations of both, the physical and functional requirements of an item.
- 15.2 **APPLICABLE DOCUMENTS**

MIL-STD-100E	<i>Engineering Drawing Practices</i>
MSFC-STD-555	<i>MSFC Engineering Documentation Standard</i>
- 15.3 **CONTENTS:** Drawings shall be prepared, released and maintained current in accordance with the requirements of MIL-STD-100E and MSFC-STD-555.
- 15.4 **FORMAT:** Format and CAGE number shall be in accordance with MSFC-STD-555.
- 15.5 **MAINTENANCE:** All documents produced under this DRD must be maintained current. Changes to and/or updating of engineering drawings and associated lists shall be in accordance with the contractor's approved drawing system and the provisions herein.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic 2. **DRD NO.:** 815CM-004
3. **DATA TYPE:** 1 4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Engineering Change Request and Associated Documentation
7. **DESCRIPTION/USE:** To propose changes to Government requirements, e.g., engineering changes, project plans, project schedules, and interface control documents.
8. **OPR:** EL31 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** As required
12. **SUBMISSION FREQUENCY:** As required
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.6
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** To describe proposed changes with supporting rationale to Government controlled requirements.
- 15.2 **APPLICABLE DOCUMENTS**
MMI 8040.19 *Engineering Change Requests*
- 15.3 **CONTENTS:** The content of ECR's shall contain the data defined in MMI 8040.19. The ECR package shall include the following as applicable: ECR's, SCN's, DCN's, and PIRN's. The program control number (PCN) (or its equivalent) and the proposal number assigned by MSFC shall be shown on all forms and messages.
- 15.4 **FORMAT:** The format used for the ECR shall be MSFC Form 2327. DCN's shall be prepared similar to SCN's, but shall be used to change documents other than specifications. PIRN's shall be prepared on MSFC Form 4229.
- 15.5 **MAINTENANCE:**
 - a. ECR maintenance shall be accomplished via replacement page(s) or complete revision. ECR identification shall be revised in either method.
 - b. SCN's shall be maintained as complete revision and reidentification.
 - c. DCN's shall be maintained in the same manner as SCN's.
 - d. SRP's/DRP's shall be a complete reissue.
 - e. Revised SCL/DCL page(s) shall be prepared for the affected SRP's/DRP's authorized by an approved SCN/DCN, to record "no text change", or to list disapproved SCN's/DCN's.
 - f. Configuration Chart(s) shall be updated only at the time of complete revision of the specification/document.
 - g. PIRN's shall be a complete reissue.
- 15.6 **MSFC APPROVALS:** SCN's/DCN's shall be approved as a part of the ECR. PIRN's will be approved as part of the ECR. The contractor shall prepare and submit ECR's when requested by MSFC to implement a Government-directed change.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic 2. **DRD NO.:** **815CM-005**
3. **DATA TYPE:** 1 4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Deviation/Waiver Approval Request
7. **DESCRIPTION/USE:** Deviation: A specific written authorization granted before the fact to depart from a particular Government controlled requirement for a limited application. Waiver: A specific written authorization accepting a departure after occurrence from a Government controlled requirement for a limited application.
8. **OPR:** EL31 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** As required
12. **SUBMISSION FREQUENCY:** As required
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.6
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The Deviation/Waiver Approval Request (DAR) requests approval to depart from a Government controlled requirement.
- 15.2 **APPLICABLE DOCUMENTS**
MMI 5330.4 *Deviation Approval Requests Requirements*
- 15.3 **CONTENTS:** DARs shall be prepared in accordance with MMI 5330.4. The program control number (PCN) (or its equivalent) and the DAR number assigned by MSFC shall be shown on all forms and messages.
- 15.4 **FORMAT:** MSFC Form 847, Deviation/Waiver Approval Request (DAR) or equivalent, shall be used to document deviations/waivers.
- 15.5 **MAINTENANCE:** All requested changes to a DAR shall require submittal of a DAR revision.
- 15.6 **APPROVAL OF DEVIATIONS/WAIVERS:** Receipt of contractual approval from the procuring activity shall constitute the sole authority for the contractor to effect a DAR. This approval will be noted by disposition notation and the authorizing signature on the MSFC Form 847, or equivalent.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** **815LS-001**
3. **DATA TYPE:** 2
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Government Property Management Plan
7. **DESCRIPTION/USE:** To describe the method of controlling and managing Government property.
8. **OPR:** CN41 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter, i.e., cognizant property administrator
11. **INITIAL SUBMISSION:** Preliminary 60 days after Authority To Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Final six months after ATP, revisions as required
13. **REMARKS:** This document shall be the official contract requirements document for the control and identification of all Government property.
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.3
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The Government Property Management Plan defines the contractor's methods of care, accounting, and control of Government property:
- 15.2 **APPLICABLE DOCUMENTS**

FAR NHB 5100.4A	<i>Federal Acquisition regulation, Part 45</i> <i>Federal Acquisition Regulation Supplement, (NASA/FAR Supplement)</i> <i>Part 18-5 and latest revisions thereto</i>
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- 15.3 **CONTENTS:** This plan shall satisfy the requirements for the FAR Part 45, the NASA/FAR Supplement Part 18-45 of NHB 5100.4, and the contractual requirements. This plan shall consist of those procedures which constitute the contractor's Property Management Manual and shall include the following categories:

a. Property management.	i. Reports.
b. Acquisition.	j. Consumption.
c. Receiving.	k. Utilization.
d. Identification.	l. Maintenance.
e. Records.	m. Subcontractor control.
f. Movement.	n. Disposition.
g. Storage.	o. Contract close-out.
h. Physical inventories.	
- 15.4 **FORMAT:** Contractor format is acceptable.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** 815MA-001
3. **DATA TYPE:** 2
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Program Management Plan
7. **DESCRIPTION/USE:** To provide a description of the contractor's overall management system and organization for accomplishing the requirements set forth in the contract.
8. **OPR:** BD01 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** Thirty days after Authority to Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Update as required
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The Program Management Plan shall describe the contractor's concept plans, practice, and approach for accomplishing the requirements set forth in the contract, i.e., managing and controlling project tasks, experimental work, and management interfaces. The plan shall be in such detail as necessary to convey the contractor's internal procedures.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:** The plan shall include a description of:
 - a. Project tasks to be accomplished and an outline of methods by which the contractor proposes to accomplish each task down to the Level III WBS task level.
 - b. Management concepts, plans, project management and task/control systems, organizational approach, and communication channels between the contractor and the Government. This shall include descriptions, flow charts, schedules, and other documentation necessary to give a comprehensive plan of organization and accomplishment.
 - c. Contract Performance Measuring System (PMS) and an outline of the methods used to gather and report technical and cost/trend performance data for both development and operations activities. Technical parameters shall reflect current performance compared with specifications and shall reflect progress toward meeting the technical requirements and established schedule milestones. Cost/trend analyses shall include the following parameters:
 1. Budgeted Cost of Work Performed (BCWP).
 2. Actual Cost of Work Performed (ACWP).
 3. Budgeted Cost of Work Scheduled (BCWS).
 4. Cost Performance Index (CPI).
 5. Schedule Performance Index (SPI).
- 15.4 **FORMAT:** Contractor format is acceptable.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or by complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 815 ISSUE: Basic
2. DRD NO.: **815MA-002**
3. DATA TYPE: 3
4. DATE REVISED:
5. PAGE: 1/1
6. TITLE: Financial Management Report (533M and 533Q)
7. DESCRIPTION/USE: To provide monthly and quarterly financial reports for monitoring program costs.
8. OPR: BF01 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: Initial 533M submission following first full month of performance after Authority to Proceed (ATP). Initial 533Q submission will be no later than four months following ATP.
12. SUBMISSION FREQUENCY: 533M Monthly: No later than the 20th day of the calendar month following end of the accounting month. 533Q Quarterly: Delivered quarterly, no later than the 20th day of the calendar month following the end of the accounting month.
13. REMARKS:
14. INTERRELATIONSHIP: SOW paragraph 2.1.2
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE**: The Financial Management Report provides data on accumulated costs and funding projections for management of the contract.
- 15.2 **APPLICABLE DOCUMENTS**

NFS 18-52.242-73	NASA Contractor Financial Management Reporting
NHB 9501.2	Procedures for Contractor Reporting of Correlated Cost and Performance Data
NMI 9501.1	NASA Contractor Financial Management Reporting System
- 15.3 **CONTENTS**: The elements of cost for financial reporting shall be mutually agreed by the contractor and NASA project office and cover labor hours by function, direct labor cost, materials, subcontracts, interdivisional work, other direct rates, overhead by pool, fringe, G&A, and fee. Changes or additions to elements of cost shall be by mutual agreement between the contractor and the NASA project manager.
 - a. 533M Monthly Report: Report shall include actuals and projections at the total contract level.
 - b. 533Q Quarterly Report: Report shall include actuals and projections at the total contract level.
- 15.4 **FORMAT**: The 533M and 533Q shall be prepared per NHB 9501.2, NMI 9501.1, and NFS 18-52.242-73.
- 15.5 **MAINTENANCE**: None required

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** 815MA-003
3. **DATA TYPE:** 3
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Progress Report
7. **DESCRIPTION/USE:** To provide data for the assessment of contract progress. To provide visibility to contractor and MSFC Management of actual and potential problems and progress toward meeting the requirements of the contract.
8. **OPR:** BD01 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** Ten calendar days following the end of the first two months after Authority to Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Monthly, no later than the 20th day of the calendar month following the end of the accounting month
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.1
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The Progress Report shall provide a comprehensive status on all active tasks and include the necessary information to assess status and identify problems that need resolution for accomplishment of the contract tasks.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:**
 - a. For each WBS Level II task, provide the following by facility:
 1. Narrative report of status.
 2. Narrative report of planned effort for next reporting period.
 3. Schedule, showing progress of Level III elements.
 4. Labor expended by category.
 - b. Status of significant Problem Reports, Change Requests, and other issues as appropriate, including anticipated schedule and resource impacts.
 - c. Performance Measuring Report:
 1. Technical performance.
 2. Cost/trend performance.
 3. Variances and corrective actions.
- 15.4 **FORMAT:** The Progress Report shall be in presentation chart format. Submittal shall be standard hard copy or other media as directed by the Contracting Officer.
- 15.5 **MAINTENANCE:** None required

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** 815MA-004
3. **DATA TYPE:** 3
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Work Breakdown Structure (WBS) and WBS Dictionary
7. **DESCRIPTION/USE:** To provide a framework defining the total project scope of work by which the project will be managed.
8. **OPR:** BD01 **ODM:** EO01
9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** 30 days after Authority to Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Once, update as required
13. **REMARKS:** Reference is made to NMI 7120.4, *Management of Major Systems Programs and Projects* and NHB 7120.5, *Management of Major Systems Programs and Projects*. These documents shall be used as a guide in the preparation of the WBS and the WBS dictionary.
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.1
15. **DATA PREPARATION INFORMATION:**
 - 15.1 **SCOPE:** The Work Breakdown Structure (WBS) establishes a product-oriented logical subdivision of hardware, software, services, facilities, etc., that make up the total project scope of work. The WBS Dictionary shall provide a narrative description of the tasks and effort to be performed in each WBS element.
 - 15.2 **APPLICABLE DOCUMENTS**
MMI 8020.7 *MSFC Performance Measurement Criteria for Selected Major Procurements*
 - 15.3 **CONTENTS:**
 - a. The WBS shall comply with MMI 8020.7 and subdivide the total contracted effort into elements that depict the framework by which the project will be managed. These elements will serve as the basis for detailed planning and control of the contract, and assures collection of cost and schedule data at the element level. These elements include hardware, software, services, and tasks. It shall include all subcontracting and major procurement effort at the proper level.
 - b. WBS Dictionary - The WBS dictionary shall define the scope of each WBS element and narratively describe the tasks included in each element.
 - 15.4 **FORMAT:** The WBS shall be in a chart format showing element relationships. The WBS Dictionary shall be ordered in consonance with the WBS and shall reference each WBS element by its identifier and name. The WBS will contain a minimum of three levels with total contract being level one.
 - 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 815 ISSUE: Basic
2. DRD NO.: **815OP-001**
3. DATA TYPE: 2
4. DATE REVISED:
5. PAGE: 1/2
6. TITLE: Operations/Maintenance Plan
7. DESCRIPTION/USE: To provide the contractor and the Government a baseline document for operability/maintainability.
8. OPR: EO01 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: 60 days after Authority to Proceed (ATP)
12. SUBMISSION FREQUENCY: Once, update as required
13. REMARKS:
14. INTERRELATIONSHIP: SOW paragraphs 2.5, 2.6
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** The Operations/Maintenance Plan shall define all system operability and maintainability activities appropriate for providing the services and performing the functions set forth in the SOW.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:** This plan shall define the ground operations and maintenance support of each facility. The plan describes organizational relationships, functional roles, responsibilities and methodologies, but does not provide specific operating procedures, capabilities or requirements. The plan shall address the overall operations and maintenance philosophy and capacities of integrated operations and peripheral support elements. The plan shall include:
 - a. Operating philosophy.
 1. Organizational relationships.
 - (a) Internal and external relationships.
 - (b) Functional roles.
 - (c) Responsibilities and methodologies.
 2. Operational services.
 - (a) Standard services.
 - (b) Optional services.
 - (c) Responsiveness parameters.
 - (1) Return to service.
 - (2) Operational response time.
 3. Operational tools.
 - b. Maintenance philosophy.
 1. Availability parameters.
 - (a) Overall percentage of system availability.
 - (b) Preventive maintenance.
 - (1) Schedule for performing.
 - (2) Downtime required.

DRD Continuation Sheet

TITLE: Operations/Maintenance Plan

DRD NO.: **815OP-001**

DATA TYPE: 2

PAGE: 2/2

15. DATA PREPARATION INFORMATION (CONTINUED):

- (c) Remedial maintenance.
 - (1) Response time.
 - (2) Meantime to repair.
 - (d) Methodology used to establish parameters.
 - 2. Identification and analysis of risks.
 - (a) Impact of nonavailability.
 - (b) Trade-offs.
 - 3. Detailed performance approach.
 - (a) Preventive maintenance.
 - (b) Remedial maintenance.
- 15.4 **FORMAT:** Contractor format is acceptable.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. **DPD NO.:** 815 **ISSUE:** Basic
2. **DRD NO.:** 815SA-001
3. **DATA TYPE:** 3
4. **DATE REVISED:**
5. **PAGE:** 1/1
6. **TITLE:** Mishap Report
7. **DESCRIPTION/USE:** To identify the contractor's requirements for reporting mishaps to MSFC.
8. **OPR:** CR20 **ODM:** EO01 9. **CDRM:** EL32
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** Initial notification shall be by telephone within 24 hours of occurrence of the accident/incident/mishap or the identification of potentially hazardous situation.
12. **SUBMISSION FREQUENCY:** Each occurrence of a mishap. Written reports of corrective actions are due within ten working days. Additional reports, if needed, are due every 30 days until the final report is submitted.
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.1.4
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** This DRD establishes the content, format, maintenance, and submittal requirements for the Mishap Report. All mishaps, and near-misses shall be reported to NASA as required in MMI 1711.2.
- 15.2 **APPLICABLE DOCUMENTS**

NHB 1700.1 (V1-B)	<i>NASA Safety Policy and Requirements Document</i>
MMI 1711.2	<i>Mishap Reporting and Investigation</i>
- 15.3 **CONTENTS:** The report shall contain the information required by MMI 1711.2.
- 15.4 **FORMAT:** NASA Forms 1627 and 1388.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DFD NO.: 815 ISSUE: Basic 2. DRD NO.: **815SA-002**
3. DATA TYPE: 2 4. DATE REVISED:
5. PAGE: 1/2
6. TITLE: Safety and Health Plan
7. DESCRIPTION/USE: To provide the contractor and the Government a baseline document for planning, management, control, and implementation of the contractor's Industrial/Occupational Safety and Health Program.
8. OPR: CN21/CR20 ODM: EO01 9. CDRM: EL32
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: 10 days after notification of selection
12. SUBMISSION FREQUENCY: Update as required
13. REMARKS: Reference Section I, clause NFS 18-52.223-70, *Safety and Health*.
14. INTERRELATIONSHIP: SOW paragraph 2.1.4
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** The Safety and Health Plan describes the contractor's method of implementing occupational safety and health standards over the duration of the contract.
- 15.2 **APPLICABLE DOCUMENTS:** Implementation of the following Occupational Safety and Health Standards and applicable requirements shall be specified in the plan.

29 CFR 1910	<i>Department of Labor; Occupational Safety and Health Standards</i>
	<i>ASME Boiler and Pressure Vessel Code</i>
ANSI Standards	
MM 1040.3	<i>MSFC Emergency Plan</i>
MM 1700.4	<i>Safety and Environmental Health Standards</i>
MM 1845.2	<i>MSFC Hazardous Chemicals in Laboratories Protection Program</i>
MM 1860.2	<i>Radiation Safety Manual</i>
MMI 1700.1	<i>Fire Prevention Program</i>
MMI 1700.10	<i>Maintenance of Fire Surveillance and Suppression Systems</i>
MMI 1700.11	<i>Protection for Personnel and Property</i>
MMI 1700.14.	<i>Safety Coordinators and Safety Monitors for MSFC Buildings and Structures</i>
MMI 1710.3	<i>Hazard Warning Tags</i>
MMI 1710.4	<i>Safety Permits</i>
MMI 1710.6	<i>MSFC Program for Personnel Certification</i>
MMI 1711.2	<i>Mishap Reporting and Investigation</i>
MMI 1810.1, (Ch. 1)	<i>Occupational Medical Program</i>
MMI 1810.3	<i>Respiratory Protection Program</i>
MMI 1820.1, (Ch. 1)	<i>MSFC Hearing Conservation Program</i>
MMI 1840.1, (Ch. 1)	<i>Environmental Health Services</i>
MMI 1845.1	<i>MSFC Hazard Communication Program</i>
NFPA Standards	<i>National Electrical Code and National Fire Code</i>
NHB 1700.1 (V1-B)	<i>NASA Safety Policy and Requirements Document</i>
NSS 1740.11	<i>NASA Safety Standard for Fire Protection</i>

DRD Continuation Sheet

TITLE: Safety and Health Plan

DRD NO.: 815SA-002

DATA TYPE: 2

PAGE: 2/2

15. DATA PREPARATION INFORMATION (CONTINUED):

15.3 **CONTENTS:** The plan shall describe the manner in which the contractor shall implement the intent of the requirements of the applicable documents as they pertain to the specific statement of work tasks to be performed. The plan shall define the safety and health program, objectives and goals, management structure, and detailed description of the total safety program including responsibilities, procedures, reporting, training, compliance methodologies, and interface and coordination activities. The Safety and Health Plan shall include:

- a. Statement of management policy and commitment to provide for the safety of personnel and property and compliance with OSHA and NASA requirements.
- b. Method of hazard identification and control, e.g., hazard analysis and risk assessment.
- c. Descriptions of safety awareness and motivation programs, safety meeting requirements, and safety training for employees.
- d. Methods to make certain that clear statements of hazardous situations and necessary cautions are included in appropriate detail plans, procedures, and other working documents.
- e. Means for ensuring that each employee understands how to recognize hazards and how to avoid having accidents.
- f. Procedures for certification of personnel performing potentially hazardous operations. Certification establishes that training requirements and physical conditions have been satisfied by examination, testing, on-the-job performance, or other comparable techniques. Job categories under the contracted effort that require certification should be identified.
- g. Controls over the procurement, storage, issuance, and use of hazardous substances and procedures for recycling and disposal of hazardous waste.
- h. Method of ensuring that emergency plans and procedures are current and sufficient.
- i. Method for reporting and investigating accidents and incidents (mishaps), including an outline of reporting requirements and a description of how accident cause analysis is to be accomplished.
- j. Provisions for safety and health services such as hazardous waste disposal, industrial hygiene monitoring, emergency medical support, hearing conservation program, and hazard communication.
- k. Requirements for formal safety inspections and correction of deficiencies.
- l. Provisions for training personnel in critical tasks which, if done improperly, could result in injury to personnel or damage to equipment.
- m. The plan should set forth means of program evaluation, identifying duties, methods and frequency for internal evaluation of the safety and health program, and identification of personnel who perform evaluations and to whom evaluations are reported and who approves corrective action.
- n. The plan should provide a schedule of the frequency and documentation requirements for inspections, plan and procedure reviews, and certifications.
- o. The plan should describe a method for making approved revisions to the safety and health program as necessary.
- p. The plan should detail commitments in the above areas in sufficient detail that they can be verified during subsequent periodic audits.
- q. Identification of employees (by type, classification, and qualification) responsible for the implementation of the above elements.

15.4 **FORMAT:** Contractor format is acceptable.

15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

- | | | |
|------------------------|--------------|-------------------------------------|
| 1. DPD NO.: 815 | ISSUE: Basic | 2. DRD NO.: 815SE-001 |
| 3. DATA TYPE: 2 | | 4. DATE REVISED: |
| | | 5. PAGE: 1/2 |
6. **TITLE:** System Development Plan
7. **DESCRIPTION/USE:** To describe systems engineering, integration, and development activities for the project.
- | | | |
|---------------------|-----------|----------------------|
| 8. OPR: EO01 | ODM: EO01 | 9. CDRM: EL32 |
|---------------------|-----------|----------------------|
10. **DISTRIBUTION:** Per Contracting Officer's letter
11. **INITIAL SUBMISSION:** 60 days after Authority to Proceed (ATP)
12. **SUBMISSION FREQUENCY:** Update as required
13. **REMARKS:**
14. **INTERRELATIONSHIP:** SOW paragraph 2.2
15. **DATA PREPARATION INFORMATION:**
- 15.1 **SCOPE:** The System Development Plan describes the concepts and methodology for system engineering, hardware design and development, and software design and development.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:**
- a. General requirements:
 - 1. The System Development Plan shall identify the concepts and methods to be employed for system engineering, hardware design and development, and software design and development.
 - 2. The plan shall serve as the implementation guide for UMS facility development activities.
 - b. Systems engineering:
 - 1. The plan shall describe the contractor's system engineering activities for UMS facilities and the methods to be utilized to accomplish these activities.
 - 2. The plan shall describe planning, requirements definition, requirements allocation, requirements/system analysis, market surveys, test support equipment definition, hardware/software integration (HSI), system integration, change evaluation, requirement/design review plans, GFP incorporation, design documentation, and design/development monitoring and coordination approaches.
 - 3. The plan shall describe the organization for managing system engineering activities including resource allocation, management methods, and activity coordination.
 - c. Hardware engineering:
 - 1. The plan shall describe the contractor's hardware engineering activities for UMS facilities and the methods to be utilized to accomplish these activities.
 - 2. The plan shall describe hardware design/development methods, standards, and policies. The plan shall address development environment; drawing standards; prototyping policies; system sizing/capacity definition; product evaluations; GFP, COTS, existing component incorporation; design documentation; installation and delivery policies; hardware integration; developmental configuration management; and problem tracking.

DRD Continuation Sheet

TITLE: System Development Plan

DRD NO.: 815SE-001

DATA TYPE: 2

PAGE: 2/2

15. **DATA PREPARATION INFORMATION (CONTINUED):**

3. The plan shall describe the organization for managing hardware engineering activities including resource allocation, management methods, and activity coordination.

- d. **Software Engineering**

1. The plan shall describe the contractor's software engineering activities for UMS facilities and the methods to be utilized to accomplish these activities.
2. The plan shall describe software design/development methods, standards, and policies. The plan shall address software lifecycle; development environment; coding standards; test and evaluation practices; prototyping policies; installation and delivery policies; product evaluation; GFP, COTS, existing software incorporation; design documentation; developmental configuration management; and problem tracking.
3. The plan shall describe the organization for managing software engineering activities including resource allocation, management methods, and activity coordination.

15.4 **FORMAT:** Contractor format is acceptable.

15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

DATA REQUIREMENTS DESCRIPTION (DRD)

- | | | |
|-----------------|--------------|------------------------------|
| 1. DPD NO.: 815 | ISSUE: Basic | 2. DRD NO.: 815VR-001 |
| 3. DATA TYPE: 2 | | 4. DATE REVISED: |
| | | 5. PAGE: 1/1 |
6. TITLE: Verification Plan
7. DESCRIPTION/USE: To document the verification program to ensure UMS facility systems and configurations are properly implemented and prepared.
- | | | |
|--------------|-----------|---------------|
| 8. OPR: EO01 | ODM: EO01 | 9. CDRM: EL32 |
|--------------|-----------|---------------|
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: 60 days after Authority to Proceed (ATP)
12. SUBMISSION FREQUENCY: Update as required
13. REMARKS:
14. INTERRELATIONSHIP: SOW paragraph 2.7.1
15. DATA PREPARATION INFORMATION:
- 15.1 **SCOPE:** The Verification Plan describes the verification program concepts, methods, and organization for the verification of UMS facility systems and configurations in support of new systems, system upgrades, and mission activities to ensure operational readiness.
- 15.2 **APPLICABLE DOCUMENTS:** None
- 15.3 **CONTENTS:** The plan shall contain the following:
- a. Description of the verification concept and methodology.
 - b. Overview of the verification program for each UMS facility.
 - c. Description of the verification methods to be utilized and level of testing to be performed for new systems, system upgrades, and mission activities.
 - d. Management approach, organizational structure, and organizational responsibilities for the verification program.
 - e. Relationship of verification program to system engineering, development, and mission activities.
 - f. Position of verification activities within development and mission activity timelines.
 - g. Policies on use of verification equipment and environments and location of verification tests.
 - h. Policies on verification of developed items, COTS items, GFP items, and temporary items.
- 15.4 **FORMAT:** Contractor format is acceptable.
- 15.5 **MAINTENANCE:** Changes shall be incorporated by change page or complete reissue.

ATTACHMENT J-3

WAGE DETERMINATION

(Wage Determinations from the Department of Labor are attached.)

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REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

Alan L. [Signature] Division of
Director Wage Determinations

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATIVE
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210

Wage Determination No.: 94-2008
Revision No.: 3
Date of Last Revision: 08/25/1995

State(s): Alabama, Tennessee

Area: ALABAMA COUNTIES OF COLBERT, FRANKLIN, JACKSON, LAUDERDALE, LAWRENCE,
LIMESTONE, MADISON, MARION, MARSHALL, MORGAN, WINSTON.
TENNESSEE COUNTIES OF GILES, LAWRENCE, LINCOLN, MOORE, WAYNE.

**** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing ****

OCCUPATION CODE AND TITLE

MINIMUM HOURLY WAGE

ADMINISTRATIVE SUPPORT AND CLERICAL:

01011	Accounting Clerk I	\$ 6.68
01012	Accounting Clerk II	\$ 8.05
01013	Accounting Clerk III	\$ 9.13
01014	Accounting Clerk IV	\$ 12.00
01030	Court Reporter	\$ 9.93
01050	Dispatcher, Motor Vehicle	\$ 9.49
01060	Document Preparation Clerk	\$ 9.00
01090	Duplicating Machine Operator	\$ 9.00
01110	Film/Tape Librarian	\$ 9.00
01115	General Clerk I	\$ 6.67
01116	General Clerk II	\$ 7.50
01117	General Clerk III	\$ 9.00
01118	General Clerk IV	\$ 10.35
01120	Housing Referral Assistant	\$ 12.00
01131	Key Entry Operator I	\$ 7.73
01132	Key Entry Operator II	\$ 8.85
01191	Order Clerk I	\$ 8.51
01192	Order Clerk II	\$ 11.56
01220	Order Filler	\$ 9.13
01261	Personnel Assistant (Employment) I	\$ 6.70
01262	Personnel Assistant (Employment) II	\$ 8.83
01263	Personnel Assistant (Employment) III	\$ 9.87
01264	Personnel Assistant (Employment) IV	\$ 10.03
01270	Production Control Clerk	\$ 12.00
01290	Rental Clerk	\$ 9.00
01300	Scheduler, Maintenance	\$ 9.00
01311	Secretary I	\$ 9.00
01312	Secretary II	\$ 9.93
01313	Secretary III	\$ 12.00
01314	Secretary IV	\$ 14.35
01315	Secretary V	\$ 15.89
01320	Service Order Dispatcher	\$ 9.00
01341	Stenographer I	\$ 10.52
01342	Stenographer II	\$ 11.92
01400	Supply Technician	\$ 14.35

01420 Survey Worker(Interviewer)	\$ 9.93
01460 Switchboard Operator- Receptionist	\$ 7.45
01531 Travel Clerk I	\$ 6.52
01532 Travel Clerk II	\$ 6.91
01533 Travel Clerk III	\$ 7.35
01551 Typist I	\$ 6.97
01552 Typist II	\$ 8.55
01611 Word Processor I	\$ 8.55
01612 Word Processor II	\$ 9.60
01613 Word Processor III	\$ 10.73

AUTOMATIC DATA PROCESSING:

03010 Computer Data Librarian	\$ 9.12
03041 Computer Operator I	\$ 9.12
03042 Computer Operator II	\$ 10.20
03043 Computer Operator III	\$ 12.88
03044 Computer Operator IV	\$ 13.44
03045 Computer Operator V	\$ 14.89
03071 Computer Programmer I 1/	\$ 12.56
03072 Computer Programmer II 1/	\$ 15.55
03073 Computer Programmer III 1/	\$ 18.50
03074 Computer Programmer IV 1/	\$ 23.37
03101 Computer Systems Analyst I 1/	\$ 17.13
03102 Computer Systems Analyst II 1/	\$ 20.40
03103 Computer Systems Analyst III 1/	\$ 24.25
03160 Peripheral Equipment Operator	\$ 9.12

AUTOMOTIVE SERVICE:

05005 Automobile Body Repairer, Fiberglass	\$ 15.44
05010 Automotive Glass Installer	\$ 14.07
05040 Automotive Worker	\$ 14.07
05070 Electrician, Automotive	\$ 14.76
05100 Mobile Equipment Servicer	\$ 12.75
05130 Motor Equipment Metal Mechanic	\$ 15.44
05160 Motor Equipment Metal Worker	\$ 14.07
05190 Motor Vehicle Mechanic	\$ 15.44
05220 Motor Vehicle Mechanic Helper	\$ 12.10
05250 Motor Vehicle Upholstery Worker	\$ 13.43
05280 Motor Vehicle Wrecker	\$ 14.07
05310 Painter, Automotive	\$ 14.76
05340 Radiator Repair Specialist	\$ 14.07
05370 Tire Repairer	\$ 12.75
05400 Transmission Repair Specialist	\$ 15.44

FOOD PREPARATION AND SERVICE:

07010 Baker	\$ 8.40
07041 Cook I	\$ 7.47
07042 Cook II	\$ 8.40
07070 Dishwasher	\$ 6.16
07100 Food Service Worker	\$ 6.16
07130 Meat Cutter	\$ 8.40
07250 Waiter/Waitress	\$ 6.59

FURNITURE MAINTENANCE AND REPAIR:

09010 Electrostatic Spray Painter	\$ 14.76
09040 Furniture Handler	\$ 11.71
09070 Furniture Refinisher	\$ 14.76
09100 Furniture Refinisher Helper	\$ 12.10
09110 Furniture Repairer, Minor	\$ 13.43
09130 Upholsterer	\$ 14.76

GENERAL SERVICES AND SUPPORT:

11030 Cleaner, Vehicles	\$ 6.16
11060 Elevator Operator	\$ 6.16
11090 Gardener	\$ 7.47
11121 Housekeeping Aide I	\$ 6.16
11122 Housekeeping Aide II	\$ 6.59
11150 Janitor	\$ 6.16
11180 Laborer	\$ 7.04
11210 Laborer, Grounds Maintenance	\$ 6.16
11240 Maid or Houseman	\$ 5.73
11270 Pest Controller	\$ 7.86
11300 Refuse Collector	\$ 6.16
11360 Window Cleaner	\$ 6.30

HEALTH:

12010 Ambulance Driver	\$ 7.69
12040 Emergency Medical Technician	\$ 9.57
12070 Licensed Practical Nurse	\$ 9.39
12100 Medical Assistant	\$ 8.56
12130 Medical Laboratory Technician	\$ 8.56
12160 Medical Record Clerk	\$ 8.56
12190 Medical Record Technician	\$ 11.86
12220 Nursing Assistant	\$ 7.02
12250 Pharmacy Technician	\$ 10.67
12280 Phlebotomist	\$ 8.56
12311 Registered Nurse I	\$ 12.51
12312 Registered Nurse II	\$ 15.31
12313 Registered Nurse II, Specialist	\$ 15.31
12314 Registered Nurse III	\$ 18.52
12315 Registered Nurse III, Anesthetist	\$ 18.52
12316 Registered Nurse IV	\$ 22.20

INFORMATION AND ARTS:

13002 Audiovisual Librarian	\$ 14.53
13011 Exhibits Specialist I	\$ 12.54
13012 Exhibits Specialist II	\$ 16.71
13013 Exhibits Specialist III	\$ 18.58
13041 Illustrator I	\$ 12.54
13042 Illustrator II	\$ 16.77
13043 Illustrator III	\$ 16.76
13050 Library Technician	\$ 12.00
13071 Photographer I	\$ 12.09
13072 Photographer II	\$ 13.95
13073 Photographer III	\$ 16.71
13074 Photographer IV	\$ 20.44
13075 Photographer V	\$ 24.73

LAUNDRY, DRY CLEANING, PRESSING:

15010 Assembler	\$ 5.06
15030 Counter Attendant	\$ 5.06
15040 Dry Cleaner	\$ 6.19
15070 Finisher, Flatwork, Machine	\$ 5.06
15090 Presser, Hand	\$ 5.06
15100 Presser, Machine, Dry Cleaning	\$ 5.06
15130 Presser, Machine, Shirts	\$ 5.06
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 6.41
15190 Sewing Machine Operator	\$ 6.92
15220 Tailor	\$ 6.88
15250 Washer, Machine	\$ 5.57

MACHINE TOOL OPERATION AND REPAIR:

19010 Machine-tool Operator (Toolroom)	\$ 14.76
19040 Tool and Die Maker	\$ 16.82

MATERIALS HANDLING AND PACKING:

21010 Fuel Distribution System Operator	\$ 13.80
21020 Material Coordinator	\$ 13.22
21030 Material Expediter	\$ 13.22
21040 Material Handling Laborer	\$ 8.05
21071 Forklift Operator	\$ 11.68
21100 Shipping/Receiving Clerk	\$ 10.00
21130 Shipping Packer	\$ 10.00
21150 Stock Clerk	\$ 7.99
21210 Tools and Parts Attendant	\$ 12.02
21400 Warehouse Specialist	\$ 10.15

MECHANICS AND MAINTENANCE AND REPAIR:

23010 Aircraft Mechanic	\$ 15.44
23040 Aircraft Mechanic Helper	\$ 12.10
23060 Aircraft Servicer	\$ 13.43
23070 Aircraft Worker	\$ 14.07
23100 Appliance Mechanic	\$ 14.76
23120 Bicycle Repairer	\$ 12.75
23125 Cable Splicer	\$ 15.44
23130 Carpenter, Maintenance	\$ 14.76
23140 Carpet Layer	\$ 14.07
23160 Electrician, Maintenance	\$ 15.44
23181 Electronics Technician, Maintenance I	\$ 10.20
23182 Electronics Technician, Maintenance II	\$ 16.95
23183 Electronics Technician, Maintenance III	\$ 17.68
23260 Fabric Worker	\$ 13.43
23290 Fire Alarm System Mechanic	\$ 15.44
23310 Fire Extinguisher Repairer	\$ 13.21
23340 Fuel Distribution System Mechanic	\$ 15.44
23370 General Maintenance Worker	\$ 13.80
23400 Heating, Refrigeration and Air Conditioning Mechanic	\$ 15.44

23430 Heavy Equipment Mechanic	\$ 15.44
23460 Instrument Mechanic	\$ 15.44
23500 Locksmith	\$ 14.76
23530 Machinery Maintenance Mechanic	\$ 15.44
23550 Machinist, Maintenance	\$ 15.44
23580 Maintenance Trades Helper	\$ 12.10
23640 Millwright	\$ 15.44
23700 Office Appliance Repairer	\$ 14.76
23740 Painter, Aircraft	\$ 14.76
23760 Painter, Maintenance	\$ 14.76
23790 Pipefitter, Maintenance	\$ 15.44
23800 Plumber, Maintenance	\$ 14.76
23820 Pneudraulic Systems Mechanic	\$ 15.44
23850 Rigger	\$ 15.44
23870 Scale Mechanic	\$ 14.07
23890 Sheet-metal Worker, Maintenance	\$ 15.44
23910 Small Engine Mechanic	\$ 14.07
23930 Telecommunications Mechanic I	\$ 15.44
23940 Telecommunications Mechanic II	\$ 16.98
23950 Telephone Lineman	\$ 15.44
23960 Welder, Combination, Maintenance	\$ 15.44
23965 Well Driller	\$ 15.44
23970 Woodcraft Worker	\$ 15.44
23980 Woodworker	\$ 13.80

PERSONAL NEEDS:

24570 Child Care Attendant	\$ 6.66
24600 Chore Aide	\$ 5.73
24630 Homenaker	\$ 9.25

PLANT AND SYSTEM OPERATION:

25010 Boiler Tender	\$ 15.44
25040 Sewage Plant Operator	\$ 14.76
25070 Stationary Engineer	\$ 15.44
25190 Ventilation Equipment Tender	\$ 12.10
25210 Water Treatment Plant Operator	\$ 14.76

PROTECTIVE SERVICE:

27004 Alarm Monitor	\$ 9.14
27010 Court Security Officer	\$ 10.51
27040 Detention Officer	\$ 10.51
27070 Firefighter	\$ 9.29
27101 Guard I	\$ 7.17
27102 Guard II	\$ 9.14
27130 Police Officer	\$ 12.35

TECHNICAL:

29010 Air Traffic Control 2/ Specialist, Center	\$ 22.33
29011 Air Traffic Control 2/ Specialist, Station	\$ 15.69
29012 Air Traffic Control 2/ Specialist, Terminal	\$ 17.28
29020 Archeological Technician	\$ 16.71
29030 Cartographic Technician	\$ 16.71
29040 Civil Engineering Technician	\$ 16.71

29061 Drafter I	\$ 10.78
29062 Drafter II	\$ 12.09
29063 Drafter III	\$ 13.73
29064 Drafter IV	\$ 16.76
29070 Embalmer	\$ 14.50
29081 Engineering Technician I	\$ 9.32
29082 Engineering Technician II	\$ 11.60
29083 Engineering Technician III	\$ 13.95
29084 Engineering Technician IV	\$ 15.78
29085 Engineering Technician V	\$ 21.25
29086 Engineering Technician VI	\$ 25.70
29090 Environmental Technician	\$ 15.35
29210 Laboratory Technician	\$ 12.88
29240 Mathematical Technician	\$ 15.78
29330 Mortician	\$ 14.23
29390 Photooptics Technician	\$ 15.78
29480 Technical Writer	\$ 19.38
29620 Weather Observer, Senior 3/	\$ 13.16
29621 Weather Observer, Combined 3/ Upper Air and Surface Programs	\$ 12.88
29622 Weather Observer, Upper Air 3/	\$ 12.88

**TRANSPORTATION/MOBILE EQUIPMENT
OPERATION:**

31030 Bus Driver	\$ 10.65
31100 Driver Messenger	\$ 8.74
31200 Heavy Equipment Operator	\$ 15.02
31290 Shuttle Bus Driver	\$ 8.74
31300 Taxi Driver	\$ 8.33
31361 Truckdriver, Light Truck	\$ 8.74
31362 Truckdriver, Medium Truck	\$ 9.90
31363 Truckdriver, Heavy Truck	\$ 10.74
36364 Truckdriver, Tractor-Trailer	\$ 10.97

MISCELLANEOUS:

99005 Aircraft Quality Control Inspector	\$ 18.41
99020 Animal Caretaker	\$ 6.16
99030 Cashier	\$ 5.44
99040 Child Care Center Clerk	\$ 8.32
99050 Desk Clerk	\$ 6.67
99260 Instructor	\$ 13.32
99300 Lifeguard	\$ 7.45
99350 Park Attendant (Aide)	\$ 7.46
99400 Photofinishing Worker	\$ 7.45
99500 Recreation Specialist	\$ 10.76
99510 Recycling Worker	\$ 7.34
99610 Sales Clerk	\$ 7.45
99630 Sports Official	\$ 7.45
99658 Survey Party Chief	\$ 8.84
99659 Surveying Technician	\$ 7.46
99660 Surveying Aide	\$ 5.44
99690 Swimming Pool Operator	\$ 8.42
99720 Vending Machine Attendant	\$ 7.34
99730 Vending Machine Repairer	\$ 8.42
99740 Vending Machine Repairer Helper	\$ 7.34

**** Fringe Benefits Required For All Occupations Included In
This Wage Determination ****

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, and savings and thrift plans. Minimum employer contributions costing an average of \$2.56 per hour computed on the basis of all hours worked by service employees employed on the contract. May include such benefits as severance pay.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 10 years; 4 weeks after 20 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 4.173)

HOLIDAYS: Minimum of ten paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3/

APPLICABLE TO WEATHER OBSERVERS ONLY - NIGHT PAY & SUNDAY PAY: If you work at night as a part of a regular tour of duty, you will earn a NIGHT DIFFERENTIAL and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employee (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**** UNIFORM ALLOWANCE ****

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$4.25 per week (or \$.85 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by First Supplement December 1993, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

**REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
(Standard Form 1444 (SF 1444))**

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a

conformed occupation(s) and computes a proposed rate(s).

2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour decision to the contractor.

6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210

Alan L. Moss
Director

Division of
Wage Determinations

Wage Determination No.: 73-1614
Revision No.: 14
Date of Last Revision: 03/21/1995

State(s): Alabama

Area: ALABAMA COUNTIES OF MADISON.

**** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing ****

OCCUPATION

MINIMUM HOURLY WAGE

Employed on NASA contracts for support services
to the MSFC Management Service Office at
Marshall Space Flight Center:

In accordance with Sections 2(a) and 4(c) of the Service Contract Act, as amended, employees employed by the contractor in performing the above services and covered by the collective bargaining agreement(s) between I-NET, Incorporated and Communications Workers of America are to be paid wage rates and fringe benefits set forth in the bargaining agreement(s), effective: June 18, 1994.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE
(Standard Form 1444 (SF 1444))

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are

determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall be retroactive to the commencement date of the contract. (See Section 4.6 (C)(vi)) When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.

NOTE:

In accordance with Section 4(c) of the Service Contract Act, as amended, the wage rates and fringe benefits set forth in this wage determination are based on a collective bargaining agreement(s) under which the incumbent contractor is operating. The wage

determination sets forth the wage rates and fringe benefits provided by the collective bargaining agreement and applicable to performance on the service contract. However, failure to include any job classification, wage rate, or fringe benefit encompassed in the collective bargaining agreement does not relieve the successor contractor of the statutory requirements to comply as a minimum with the terms of the collective bargaining agreement insofar as wages and fringe benefits are concerned.

ATTACHMENT J-4

Award Fee Plan

MSFC CPAF EVALUATION PLAN FOR GENERAL MISSION SERVICES

The Cost-Plus-Award-Fee (CPAF) type contract has been used successfully for the procurement of mission services at MSFC since early 1965. The evaluation criteria and other features of the MSFC Incentive Plan are outlined below. The Government retains the unilateral right to amend the plan on a prospective basis.

1. EVALUATION CRITERIA

- a. Technical
- b. Cost Control
- c. Business Management

Performance will be evaluated by criteria and ratings will be combined, based upon relative weights by the Performance Evaluation Board (PEB).

All evaluation criteria will be evaluated by the Award Fee Coordinator/Evaluator based on reports from monitors assigned from appropriate MSFC personnel.

2. CPAF ORGANIZATION

The CPAF organization chart is shown in Figure 1. The following designations apply.

Fee Determination Official - Appointed by MSFC Center Director

Performance Evaluation Board - Appointed by MSFC Center Director

Award Fee Coordinator/Evaluator - Appointed by Contracting Officer

Technical Monitor - Designated by Contracting Officer's Technical Representative (COTR)

Cost Control Monitor - Designated by COTR

Business Management Monitor - Designated by COTR

3. EVALUATION MECHANICS

Adjective ratings and their definitions are shown on Table 1, "Definition of Ratings." These adjective ratings are correlated to the Efficiency Rating scale of zero to one hundred on Table 2. The Efficiency Rating also provides the amount of Fee Pool to which the Contractor is entitled.

4. EVALUATION FREQUENCY

Fee determination normally will be made at 6-month intervals from the date of contract award.

TABLE 1

DEFINITION OF RATINGS

<u>Excellent</u>	Of exceptional merit; exemplary performance in a timely, efficient, and economical manner; very minor (if any) deficiencies with no adverse effect on overall performance.
<u>Very Good</u>	Very effective performance, fully responsive to contract requirements accomplished in a timely, efficient, and economical manner for the most part. Only minor deficiencies.
<u>Good</u>	Effective performance; fully responsive to contract requirements; reportable deficiencies, but with little identifiable effect on overall performance.
<u>Satisfactory</u>	Meets or slightly exceeds minimum acceptable standards; adequate results. Reportable deficiencies with identifiable, but not substantial, effects on overall performance.
<u>Poor/Unsatisfactory</u>	Does not meet minimum acceptable standards in one or more areas; remedial action required in one or more areas; deficiencies in one or more areas which adversely affect overall performance.

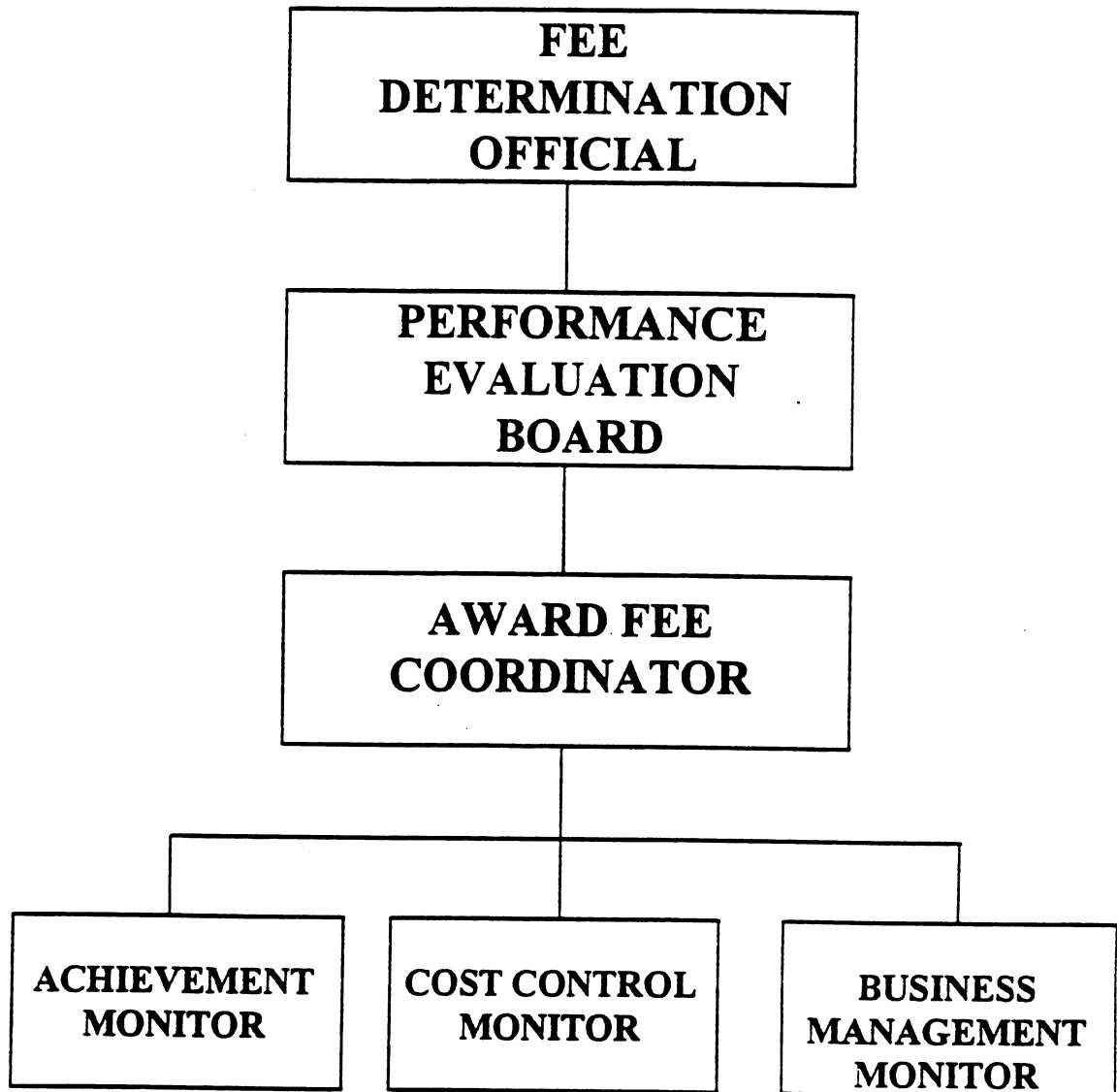
Any factor/subfactor receiving a grade of poor/unsatisfactory (less than 61) will be assigned zero performance points for the purpose of calculating the award fee amount. No fee will be paid when the total evaluation score is less than 61.

TABLE 2

EFFICIENCY RATINGS

<u>Specific Adjective Ratings</u>	<u>Numerical Rating</u>	<u>Award Fee Percent</u>
Excellent	91 - 100	91 - 100
Very Good	81 - 90	81 - 90
Good	71 - 80	71 - 80
Satisfactory	61 - 70	61 - 70
Poor/Unsatisfactory	-0-	-0-

CPAF ORGANIZATION CHART



ATTACHMENT J-5

MAKE-OR-BUY PLAN

(To Be Completed after Contract Award)

ATTACHMENT J-6

**SMALL BUSINESS AND SMALL DISADVANTAGED
BUSINESS CONCERNS SUBCONTRACTING PLAN**

ATTACHMENT J-6

SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS CONCERNS SUBCONTRACTING PLAN

1.0 INTRODUCTION

Lockheed Martin is dedicated to increasing subcontracting opportunities for small business and small disadvantaged business (SB/SDBs). Our SB/SDB subcontracting plan satisfies the requirement of Public Law 95-507, as implemented by the Office of Federal Procurement Policy (OFPP) Letter 80-2, Federal Acquisition Regulation (FAR) Part 19.704, FAR clause 52.219-9, and NASA FAR Supplement clause 18-52.219-73. The term "SBD" includes woman-owned businesses.

2.0 GOALS IN TERMS OF DOLLARS AND PERCENTAGES (FAR 52.219-9(d)(1) AND (2))

Lockheed Martin's goal for SB/SDB subcontracting is to award 35% or more of total estimated contract value to small businesses, of which, at least 15% of total estimated contract value will be awarded to SDBs. These percentages amount to the following for each contract period:

	SB	SDB
Three Year Base Period	\$13.9M	\$10.5M
Option Year One	\$2.8M	\$2.1M
Option Year Two	\$2.8M	\$2.1M

3.0 PRINCIPAL TYPES OF SUPPLIES AND SERVICES (FAR 52.219-9(D)(3))

NTI, a small business (SB) located in Huntsville, AL, has principal responsibility for EHS development, and operations and maintenance. bd Systems, a small disadvantaged business (SDB), also located in Huntsville, will perform hardware/software verification and acceptance testing for upgrades and new systems. Further, we will use subcontracts for services, equipment and materials, as well as utilize other direct and indirect subcontracting opportunities, to meet NASA's SB/SDB goals. These other opportunities include, when appropriate, security services, travel management, support services and facility utilization. The Mission Suitability volume describes in great detail the effort hereunder which Lockheed Martin has assigned to NTI and bd Systems.

4.0 METHODS USED TO DEVELOP GOALS (FAR 52.219-9.(D)(4))

The challenging SB/SDB goals set by the Government made clear that a substantial portion of the work to be performed had to be done by SB/SDB team member/subcontractors. We realized that subcontracting equipment, materials and services alone could not meet the RFP requirement.

5.0 METHODS USED TO IDENTIFY POTENTIAL SOURCES (FAR 52.219-9(D)(5))

Lockheed Martin's structured process for selecting subcontractor team members is quite flexible, and is driven by the nature of the customer's requirements and the culture of the project's environment. For this project, Lockheed Martin sought the counsel of the customer and other knowledgeable sources in the MSFC-Huntsville environs. Lockheed Martin did an intensive

analysis of the competitive field, including as assessment of the caliber and qualifications of potential SB/SDB partners currently performing as MSFC prime subcontractors. After evaluation of the capability, project incumbency and performance record of the most attractive such companies, it became clear that NTI, of Huntsville, AL, had no equal as a prospective subcontractor/partner for the UMS project.

NTI, as the well-regarded, high-performing incumbent for a very large portion of the present UMS work, had no peer as a potential partner. Discussions at the highest levels of Lockheed Martin and NTI led to a conclusion that the company cultures and capabilities matched well, for purposes of performing the UMS project. There is now in place a Teaming Agreement between the parties. Thus, NASA is assured of the dedication of the Lockheed Martin/NTI team to perform this project to the highest satisfaction of the customer. NTI's incumbency in EHS development, mission planning and operations, and maintenance support gives NASA assurance of risk-free mission/flight support during transition. This is a critical capability held only by the Lockheed Martin/NTI team.

By a similar process of reviewing the capability of SDBs in the Huntsville, AL area, we concluded that bd Systems, Inc., could fill a niche role in our program. They principally will be responsible for hardware/software verification and testing. Other support effort may be performed, if assigned.

6.0 OTHER-THAN-DIRECT COSTS (FAR 52.219-9(D)(6))

Indirect costs are included in our goals for this project. our travel management, facilities lease and management, security, and logistics, technical publications and other administrative support which will be provided through indirect cost pools and "other than direct" cost redistribution, will be performed to the greatest extent possible by SB/SDBs. These costs will be included in our SB/SDB subcontract awards data delivered in accordance with the terms of the prime contract.

7.0 PLAN ADMINISTRATION (FAR 52.219-9(D)(7))

This SB/SDB Plan will be administered by the Lockheed Martin UMS Program Support Office manager, whose duties are to:

- Develop and maintain bidders' lists of SB/SDB concerns from all possible sources
- Ensure the procurement packages are structured to permit SB/SDB concerns to participate to the maximum extent possible
- Encourage the inclusion of SB/SDB concerns in all solicitations for products or services which they are capable of providing
- Ensure periodic rotation of potential subcontractors on bidders lists
- Ensure the establishment and maintenance of records of solicitations and subcontract award activity
- Attend or arrange for attendance of company counselors at business opportunity workshops, minority business enterprise seminars, trade fairs, etc., as appropriate.
- Monitor attainment of proposed goals
- Prepare and submit periodic subcontracting reports when requested
- Participate as appropriate during the conduct of compliance reviews by Federal agencies
- Closely monitor costs incurred by principal SB and SDB team member/subcontractors.

8.0 EFFORTS TO ASSURE EQUITABLE OPPORTUNITIES (FAR 52.219-9(d)(8))

Lockheed Martin will develop source lists of capable, experienced SB/SDB suppliers and subcontractors for providing equipment, materials and services. We will also utilize the resources of the MSFC Small Business Office, Small Business Administration, trade publications, local area business associations and minority networks to augment our own source list. Outreach activities will be conducted to acquaint local SB/SDB contractors with opportunities available in the UMS project, and acquire capability/performance information from these candidates. Procurements will be structured to assure SB/SDBs have equitable opportunities to compete.

As necessary, SB/SDB databases available in other parts of the Lockheed Martin Company will be utilized. Lockheed Martin's UMS technical and business personnel will be continually made aware of SB/SDB goals, and progress in meeting them.

9.0 SUBCONTRACTING REQUIREMENTS (FAR 52.219-9(d)(7))

The clause entitled "Utilization of Small Business Concerns and Small Disadvantaged Business Concerns" will be included in all subcontracts which have subcontracting opportunities. All subcontractors receiving subcontracts valued in excess of \$500,000 will be required to comply with a subcontracting plan similar to this one. Additionally, all subcontracts, regardless of dollar value, which appear to have subcontracting opportunities, will include a requirement for the reporting of second-tier SB/SDB awards.

10.0 COOPERATION AND REPORTING (FAR 52.219-9(d)(10))

Lockheed Martin is currently reporting on SB/SDB performance-toward-goals on all major contracts presently being performed. Lockheed is well versed and experienced in the preparation and submission of Standard Forms 294 and 295. Additionally, the NASA contracting officer will receive monthly reports of company progress toward meeting the SB/SDB goals contained in the contract. Further, Lockheed will assure that appropriate reporting required by FAR 52.219-9(d)(9), above, will be performed by subcontractors. Lockheed Martin also agrees to cooperate fully in any studies or surveys the Government may request.

11.0 TYPES OF RECORDS (FAR 52.219-9(d)(11))

Lockheed will maintain at least the following types of records to document compliance with our subcontracting plan:

- SB/SDB source lists, vendor guides, and other documentation which identifies such companies
- Organizations we network with in locating sources
- Contract files on each award over \$100,000, which documents whether SB/SDBs were solicited, and fully records the evaluation and selection process
- Records of outreach activities with trade associations, business development organizations, and records of participation in trade fairs, conferences and symposia
- Records of internal activities to guide and encourage technical and procurement personnel through workshops, training and seminars
- Records will be kept indicating subcontractor names, addresses and business size.

12.0 IMPLEMENTATION

In order to effectively implement this plan to the extent consistent with efficient contract performance, we will perform the following functions:

- Assist small business and small disadvantaged business concerns by arranging solicitation time for the preparation of bids. Quantities, specifications, and delivery schedules to facilitate the participation by such concerns. Where the list of potential small business disadvantaged business subcontractors is excessively long, reasonable effort will be made to give all such small business concerns an opportunity to compete over a period of time
- Provide adequate and timely considerations of the potential of small business and small disadvantaged business concerns in all "make-or-buy" decisions
- Counsel and discuss subcontracting opportunities with representatives of SB/SDB firms.

ATTACHMENT J-7

GOVERNMENT-FURNISHED PROPERTY

(The attached Tables 1 and 2 are representative listings of the ADP Equipment Maintenance List and the Desktop Equipment available for contractor use.)

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Table 1 - ADP Equipment Maintenance List

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1219116	APPLE	M1297	7062082	MONITOR	DAAC	C105	\$814 DAAC
1219119	APPLE	MS780	F1209328724	COMPUTER	DAAC	C105	\$3,044 DAAC
1288464	ARCHIVAL CORP	4350XT	SBV25393-000	DAT DRIVE	DAAC	B105	\$1,800 DAAC
1288470	AST	4/66D	USR4011916	COMPUTER	DAAC	B108	\$4,808 DAAC
1288472	AST	4/66D	USR4012460	COMPUTER	DAAC	B119M	\$5,150 DAAC
1279533	AST	4/SE33	USS1004595	COMPUTER	DAAC	B112	\$8,918 DAAC
1016085	AST	486/25T	UST1001285	COMPUTER	DAAC	B106	\$7,149 DAAC
1287042	AST	BRAVO 4/33	USL4070447	COMPUTER	DAAC	C103	\$1,082 DAAC
1287040	AST	N461D	319RT000U23376	MONITOR	DAAC	C103	\$500 DAAC
1287553	CONSAN	MZFO-001	9313101226	TAPE DRIVE	DAAC	C103	\$2,080 DAAC
1287554	CONSAN	MZFO-001	9313101228	TAPE DRIVE	DAAC	C103	\$2,080 DAAC
1287814	CONTEMP. CYBERNETICS	CY8505	94010143	TAPE DRIVE	DAAC	C103	\$7,440 DAAC
1287815	CONTEMP. CYBERNETICS	CY8505	94010142	TAPE DRIVE	DAAC	C103	\$7,440 DAAC
1281898	CYGNET	1802-3	D02013	JUKEBOX/WORM DRIVE	DAAC	C103	\$206,500 DAAC
1222528	DEC	VT100	80034703	TERMINAL	DAAC	C103	\$1,000 DAAC
0859544	DEC	VT320	82444842	TERMINAL	DAAC	C103	\$531 DAAC
0859476	DEC	VT340	82830273	TERMINAL	DAAC	C103	\$531 DAAC
0858395	EPSON	FX-850	00C0022066	PRINTER	DAAC	C103	\$400 DAAC
1288400	EPSON	FX-870	61P1071226	PRINTER	DAAC	C103	\$425 DAAC
1018031	GOLDSTAR	1450+	MC-00307940	MONITOR	DAAC	C109	\$650 DAAC
0860843	HEWLETT PACKARD	33447A	2830J01959	PRINTER	DAAC	C103	\$2,739 DAAC
1018482	HEWLETT PACKARD	33449A	3022A44213	PRINTER	DAAC	B110	\$1,570 DAAC
1018483	HEWLETT PACKARD	33449A	3022A44209	PRINTER	DAAC	B108	\$1,570 DAAC
1083121	HEWLETT PACKARD	33449A	3048A89318	PRINTER	DAAC	B119	\$1,490 DAAC
1279534	HEWLETT PACKARD	33449A	3221A66211	PRINTER	DAAC	B107	\$1,570 DAAC
1287397	HEWLETT PACKARD	C2001A	JPBG040805	PRINTER	DAAC	B115	\$1,955 DAAC
1287398	HEWLETT PACKARD	C2001A	JPBG040299	PRINTER	DAAC	C103	\$1,955 DAAC
1288399	HEWLETT PACKARD	D1192-A	TV20123284	MONITOR	DAAC	C103	\$625 DAAC
1441296	HEWLETT PACKARD	OMNIBOOK 530	NONE	COMPUTER	DAAC	B108	\$0 DAAC
1288398	HEWLETT PACKARD	VECTRA 4/66ST	US000002811	COMPUTER	DAAC	C103	\$25,598 DAAC
G085034	IBM	8570	236018134	COMPUTER	DAAC	C103	\$14,100 DAAC
1218764	IBM	8573-401	23-4102210	COMPUTER	DAAC	C103	\$8,390 DAAC
G031934	IBM	8580-311	72-8500967	COMPUTER	DAAC	B109	\$9,589 DAAC
0264423	IBM	PRO	47-2643625	PRINTER	DAAC	C103	\$395 DAAC
G084306	IBM	PS/2 MODEL 70	236019161	COMPUTER	DAAC	C103	\$4,628 DAAC
1013384	IBM	PS/2-70	23-6031840	COMPUTER	DAAC	B113	\$7,051 DAAC
1016488	IBM	PS/2-70	23-6041563	COMPUTER	DAAC	B107	\$5,867 DAAC
1154993	IDEXI YAMA	MF-5217	1303263	MONITOR	DAAC	B109	\$983 DAAC
1286187	MAG	MX-17H	MHX612289	MONITOR	DAAC	B103	\$1,026 DAAC
1286188	MAG	MX-17H	MHX608210	MONITOR	DAAC	C109	\$1,026 DAAC
1286189	MAG	MX-17H	MHX608227	MONITOR	DAAC	C107	\$1,026 DAAC
1286190	MAG	MX-17H	MHX613224	MONITOR	DAAC	B116	\$1,026 DAAC
1286191	MAG	MX-17H	MHX612283	MONITOR	DAAC	B103	\$1,026 DAAC
1286192	MAG	MX-17H	MHX608208	MONITOR	DAAC	B114	\$1,026 DAAC
1286193	MAG	MX-17H	MHX612305	MONITOR	DAAC	B115	\$1,026 DAAC
1441297	NEC	5FGE MULTISYN	4986680MA	MONITOR	DAAC	B108	\$0 DAAC
1279531	NEC	JC-1532VMA	27N46718A	MONITOR	DAAC	C103	\$689 DAAC
1014430	NEC	JC1402HMA	85K21165Z	MONITOR	DAAC	B106	\$681 DAAC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1016302	NEC	JC1404HMA-1	01L01588	MONITOR	DAAC	B115	\$850 DAAC
1223045	NEC	JC1404HMA-1	0XM91562	MONITOR	DAAC	C107	\$822 DAAC
1151609	NEC	JC1404HMA1	14N19744	MONITOR	DAAC	C108	\$850 DAAC
1153902	NEC	JC1404HMA1	14M41398	MONITOR	DAAC	C108	\$850 DAAC
1223043	NEC	JC1404HMA1	0XM91555	MONITOR	DAAC	C103	\$822 DAAC
1223044	NEC	JC1404HMA1	0XM91563	MONITOR	DAAC	C103	\$822 DAAC
1288471	NEC	JC1532V1A2	JC1532VMR-2	MONITOR	DAAC	C212	\$578 DAAC
1288473	NEC	JC1532V1A2	3839934MA	MONITOR	DAAC	B119M	\$578 DAAC
1279532	NEC	JC1741-UMA	25D20332B	MONITOR	DAAC	B112	\$1,465 DAAC
1273368	PHILLIPS	CDD521 BK01	16645699	CD RECORDER	DAAC	C103	\$6,000 DAAC
1221581	PROCOM	PFX1200	46285	DISK DRIVE	DAAC	B107	\$239 DAAC
1219122	QMS	PS-410-1	H0028190	PRINTER	DAAC	B103	\$1,650 DAAC
1289238	SEIKO	CM1450	1CM8514A	MONITOR	DAAC	C109	\$850 DAAC
1289232	SEIKO	CM2450	1CM8524A	MONITOR	DAAC	B103	\$850 DAAC
1221582	SGI	2003	290211197	SPACEBALL	DAAC	D109	\$1,351 DAAC
1218725	SGI	CM2086A3-SG	Y1J010827	MONITOR	DAAC	D109	\$5,000 DAAC
1218724	SGI	CMN-A006	S19381	POWER IRIS (uWAVE)	DAAC	C103	\$158,166 DAAC
1396869	SGI	CMN-A010	S33185	ONYX (DOBBS II)	DAAC	C103	\$88,920 DAAC
1269024	SGI	CMNB003	35012827	COMPUTER	DAAC	B110	\$10,740 DAAC
1269026	SGI	CMNB003	35013284	COMPUTER	DAAC	B107	\$9,900 DAAC
1269029	SGI	CMNB003	35012726	COMPUTER	DAAC	B105	\$9,900 DAAC
1269031	SGI	CMNB003	35012836	COMPUTER	DAAC	B108	\$9,900 DAAC
1269035	SGI	CMNB003	35012834	COMPUTER	DAAC	B111	\$9,900 DAAC
1269037	SGI	CMNB003	35012837	COMPUTER	DAAC	B111	\$9,900 DAAC
1286378	SGI	CMNB003	3526211	COMPUTER	DAAC	B104	\$11,127 DAAC
1286379	SGI	CMNB003	35262112	COMPUTER	DAAC	B117	\$11,127 DAAC
1288451	SGI	CMNB006	08006906D106	COMPUTER	DAAC	B114	\$4,279 DAAC
1288454	SGI	CMNB006	080069075FA6	COMPUTER	DAAC	C103	\$4,279 DAAC
1288457	SGI	CMNB006	080069076ABC	COMPUTER	DAAC	B112	\$12,321 DAAC
1288461	SGI	CMNB006	080069076A90	COMPUTER	DAAC	B105	\$12,321 DAAC
1288466	SGI	CMNB006	080069075FB9	COMPUTER	DAAC	B103	\$4,279 DAAC
1288453	SGI	CMNB006C	0002230	CAMERA	DAAC	B115	\$945 DAAC
1288456	SGI	CMNB006C	0001769	CAMERA	DAAC	C103	\$945 DAAC
1288459	SGI	CMNB006C	0014486	CAMERA	DAAC	B112	\$945 DAAC
1288463	SGI	CMNB006C	0014496	CAMERA	DAAC	B105	\$945 DAAC
1288468	SGI	CMNB006C	0005059	CAMERA	DAAC	B103	\$945 DAAC
1441006	SGI	CMNB006C	0035140	CAMERA	DAAC	B114	\$0 DAAC
1441007	SGI	CMNB006C	0035141	CAMERA	DAAC	B116	\$0 DAAC
1441008	SGI	CMNB006C	0035078	CAMERA	DAAC	D109	\$0 DAAC
1441000	SGI	CMNB006Y75	080069080865	COMPUTER	DAAC	B115	\$12,949 DAAC
1441001	SGI	CMNB006Y75	080069080869	COMPUTER	DAAC	B116	\$17,121 DAAC
1441002	SGI	CMNB006Y75	080069080867	COMPUTER	DAAC	D109	\$12,949 DAAC
1279235	SGI	GDM1630SG	2004520	MONITOR	DAAC	B111	\$3,000 DAAC
1283244	SGI	GDM1630SG	2008877	MONITOR	DAAC	B106	\$3,000 DAAC
1288452	SGI	GDM17E11	2001680	MONITOR	DAAC	B115	\$1,440 DAAC
1288455	SGI	GDM17E11	2002961	MONITOR	DAAC	C103	\$1,440 DAAC
1288458	SGI	GDM17E11	2001686	MONITOR	DAAC	B112	\$1,440 DAAC
1288462	SGI	GDM17E11	2001681	MONITOR	DAAC	B105	\$1,440 DAAC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST ARE
1288487	SGI	GDM17E11	2001679	MONITOR	DAAC	B103	\$1,440 DAA
1400182	SGI	GDM17E11	2008391	MONITOR	DAAC	B110	\$3,000 DAA
1441003	SGI	GDM20D11	2408007	MONITOR	DAAC	D109	\$1,440 DAA
1441004	SGI	GDM20D11	2408011	MONITOR	DAAC	B114	\$1,440 DAA
1441005	SGI	GDM20D11	2407995	MONITOR	DAAC	B116	\$1,440 DAA
1281765	SGI	HL7965KW-SG	204001873	MONITOR	DAAC	D109	\$5,000 DAA
1285875	SGI	TFS6705KW-SG	206004551	MONITOR	DAAC	B111	\$1,880 DAA
1286376	SGI	TFS6705KW-SG	302008850	MONITOR	DAAC	B104	\$1,500 DAA
1286377	SGI	TFS6705KW-SG	210006494	MONITOR	DAAC	B117	\$1,500 DAA
1440213	SGI	TFS6705KW-SG	7000911	MONITOR	DAAC	B105	\$3,000 DAA
1440819	SGI	TFS6705KW-SG	206004581	MONITOR	DAAC	B107	\$3,000 DAA
1269027	SGI	TXM3301E1	2660100207	CD-ROM DRIVE	DAAC	C103	\$98 DAA
1441009	SGI	TXM3401E1	4760A04825	CD ROM DRIVE	DAAC	D109	\$854 DAA
1441010	SGI	TXM3401E1	4760A04827	CD ROM DRIVE	DAAC	B114	\$854 DAA
1441011	SGI	TXM3401E1	4760A05174	CD ROM DRIVE	DAAC	B116	\$854 DAA
1288450	SGI/EXEBYTE	EXB-10 CHS	4007267	NETWORKR JUKEBOX	DAAC	C103	\$11,629 DAA
1012971	SONY	SE-9	11223	OPTICAL DRIVE	DAAC	C103	\$8,600 DAA
1012974	SONY	SE-9	10141	OPTICAL DRIVE	DAAC	C103	\$8,600 DAA
1012968	SONY	SMO-S501-10	10237	OPTICAL DISK	DAAC	C103	\$8,600 DAA
1012970	SONY	SMO-S501-10	10240	OPTICAL DISK	DAAC	C103	\$8,600 DAA
1221854	SONY	SMO-S501-10	802217	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221855	SONY	SMO-S501-10	802072	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221856	SONY	SMO-S501-10	802455	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221857	SONY	SMO-S501-10	802228	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221858	SONY	SMO-S501-10	802447	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221859	SONY	SMO-S501-10	802208	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221860	SONY	SMO-S501-10	802686	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221861	SONY	SMO-S501-10	802209	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1221863	SONY	SMO-S501-10	802206	OPTICAL DISK	DAAC	C103	\$4,815 DAA
1272738	SONY	SMO-S501-10	800647	OPTICAL DISK	DAAC	C103	\$3,000 DAA
1272739	SONY	SMO-S501-10	11042	OPTICAL DISK	DAAC	C103	\$3,000 DAA
1268880	SONY	SMO-S501-11	801343	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1268881	SONY	SMO-S501-11	801335	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1268882	SONY	SMO-S501-11	801349	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1268883	SONY	SMO-S501-11	801337	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1268884	SONY	SMO-S501-11	801663	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1268885	SONY	SMO-S501-11	801650	OPTICAL DISK	DAAC	C103	\$2,744 DAA
1012969	SONY	SMO-S510-10	10178	OPTICAL DISK	DAAC	C103	\$8,600 DAA
1218728	TEKTRONIX	PHASER III PXI	8012070	PRINTER	DAAC	D109	\$10,524 DAA
1221865	TELEX	7270	1050012178	COMPUTER	DAAC	C107	\$5,312 DAA
1288469	TOSHIBA	CDR-74	B2903695	CD-ROM DRIVE	DAAC	B112	\$547 DAA
1288460	TOSHIBA	TXM3401E1	3860C10017	CD-ROM DRIVE	DAAC	B112	\$854 DAA
1288465	TOSHIBA	TXM3401E1	3860C09029	CD-ROM DRIVE	DAAC	B105	\$854 DAA
1287551	TRIMM	MLB-3534	5272	TAPE DRIVE	DAAC	C103	\$905 DAA
1287552	TRIMM	MLB-3534	2034	TAPE DRIVE	DAAC	C103	\$905 DAA
1402259	WESTERN SCIENTIFIC	WSM-SB4/5-04	NONE	RAID ARRAY	DAAC	C103	\$23,475 DAA
1016300	WIN LABS LTD	AT386	AT90062013	COMPUTER	DAAC	B115	\$3,845 DAA
1151598	WIN LABS LTD	AT386	AT91079604	COMPUTER	DAAC	C108	\$2,985 DAA

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1269142	WIN LABS LTD	AT386	AT20701602	COMPUTER	DAAC	B103	\$1,925 DAAC
1269148	WIN LABS LTD	AT386	AT20709402	COMPUTER	DAAC	C108	\$1,925 DAAC
G030663	WIN LABS LTD	AT386	AT07079320	COMPUTER	DAAC	C109	\$3,281 DAAC
1286180	WIN LABS LTD	AT486	AT30802102	COMPUTER	DAAC	B103	\$2,287 DAAC
1286181	WIN LABS LTD	AT486	AT30802002	COMPUTER	DAAC	B116	\$1,859 DAAC
1286182	WIN LABS LTD	AT486	AT30801102	COMPUTER	DAAC	B115	\$2,287 DAAC
1286183	WIN LABS LTD	AT486	AT30801002	COMPUTER	DAAC	B103	\$2,287 DAAC
1286184	WIN LABS LTD	AT486	AT30802602	COMPUTER	DAAC	B114	\$1,859 DAAC
1286185	WIN LABS LTD	AT486	AT30802502	COMPUTER	DAAC	C107	\$1,859 DAAC
1286186	WIN LABS LTD	AT486	AT30803102	COMPUTER	DAAC	C109	\$1,859 DAAC
1273369	YOUNG MINDS	CD STUDIO	139	CD MAKER	DAAC	C103	\$12,250 DAAC
1013387	ZENITH DATA SYSTEMS	ZCN-1492	948NH015BN0A	MONITOR	DAAC	B113	\$599 DAAC
1016489	ZENITH DATA SYSTEMS	ZCN-1492	011NE0007N0B	MONITOR	DAAC	B107	\$629 DAAC
1146195	3COM	ESPL-220		LANBRIDGE	4663	A109	\$3,037 HOSC
1146196	3COM	ESPL-220	1N101496	LANBRIDGE	4663	A109	\$3,037 HOSC
1153621	3COM	ESPL-220	BGMX6100250	LANBRIDGE	4663	A109	\$3,728 HOSC
1287454	3COM	ESPL-220	1N101784	NETBUILDER	4663	A109	\$3,728 HOSC
1273394	3COM	ESPL220	1N103449	BRIDGE/ROUTER	4663	A109	\$3,115 HOSC
1273395	3COM	ESPL220	1N103585	BRIDGE/ROUTER	4663	A109	\$3,115 HOSC
1396528	3COM	ESPL220	1N405124	NETBUILDER	4663	A109	\$4,662 HOSC
1396529	3COM	ESPL220	1N405166	NETBUILDER	4663	A124	\$4,662 HOSC
1288476	3COM	NBII	3C8001	NETBUILDER II LNR	4663	A223	\$20,002 HOSC
1401292	3COM	NBII	1GB08252	COMPUTER	4663	A109	\$24,086 HOSC
1401293	3COM	NBII	1GB08251	COMPUTER	4663	A109	\$24,086 HOSC
1146136	3COM	NETBUILDER	1N101446	LAN BRIDGE	4663	A223	\$3,037 HOSC
1281246	3COM	NETBUILDER		COMM BRIDGE	4610	CAVE	HOSC
1013039	3COM INC.	NB2000	BGMX	LANBRIDGE	4663	A109	\$3,728 HOSC
1153620	3COM INC.	NB2000	BGMX61004117	LANBRIDGE	4663	A109	\$3,728 HOSC
1013040	3COM NETBUILDER	ESPL-220	BGMX6100900	LANBRIDGE	4663	A109	\$3,728 HOSC
1013041	3COM NETBUILDER	ESPL-220	BGMX6100877	LANBRIDGE	4663	A109	\$3,728 HOSC
1013042	3COM NETBUILDER	ESPL-220	BGMX61004707	LANBRIDGE	4663	A124	\$3,728 HOSC
1012504	ABLE	10550-0	248	ABLESERVER	4663	A124	\$4,410 HOSC
1012505	ABLE	10550-0	231	ABLE SERVER	4663	A124	\$4,410 HOSC
1012507	ABLE	TS016TCP	235	TERMINAL SERVER	TZ	3RDFLR	\$4,410 HOSC
1012508	ABLE	TS016TCP/LAT16	NONE	TERMINAL SERVER	TZ	3RDFLR	\$4,410 HOSC
0010301	ADDS	4000	02228611	MONITOR	4663	A010	\$525 HOSC
1401678	ADTRAN			ISDN MODEM	4610	CAVE	HOSC
G031519	ALPS	P2000	7A0204404Y	PRINTER	4663	A109	\$700 HOSC
0858051	ALPS	P2000	8A0300537Y	PRINTER	TZ	3006G	\$500 HOSC
G031523	ALPS	P2000	7A0204638Y	PRINTER	TZ	3003E	\$700 HOSC
0103120	ANALOGIC CORP	ANDS5400-B-38	1A-3182	CHASSIS, ELECTRICAL	4663	A274	\$3,467 HOSC
0103121	ANALOGIC CORP	ANDS5400-B-38	1A-3183	CHASSIS, ELECTRICAL	4663	A274	\$3,467 HOSC
0103122	ANALOGIC CORP	ANDS5450-8	1A-3184	CHASSIS, ELECTRICAL	4663	A274	\$1,235 HOSC
0103123	ANALOGIC CORP	ANDS5450-8	1A-3185	CHASSIS, ELECTRICAL	4663	A274	\$1,235 HOSC
G084928	AOC	CM-312	HA0218550	MONITOR	4492	100	\$800 HOSC
G084930	AOC	CM-312	HA0232418	MONITOR	4492	100	\$800 HOSC
G084932	AOC	CM312	HA0235219	MONITOR	4663	M103	\$800 HOSC
1268926	APPLE	180		POWERBOOK	4610	CAVE	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1402291	APPLE	0461	SSJ430A16493	MONITOR	4810	1021	\$2,376 HOSC
1402288	APPLE	0461	SSJ430A16496	MONITOR	TZ	2013C	\$2,376 HOSC
1402289	APPLE	0461	SSJ430A16497	MONITOR	TZ	2009A	\$2,376 HOSC
1402290	APPLE	0461	SSJ430A16492	MONITOR	TZ	2009C	\$2,376 HOSC
0858832	APPLE	5030	F845KZVW5030	COMPUTER	TZ	2019B	\$12,172 HOSC
0858391	APPLE	A9M0110	H824758	DISK DRIVE	TZ	2105	\$268 HOSC
1013014	APPLE	APPLE		MONITOR	4748	143	HOSC
1013001	APPLE	LASER WRITER II		PRINTER	4748	143	HOSC
0858388	APPLE	M0401	5095716	MONITOR	TZ	2009D	\$672 HOSC
1013595	APPLE	M0401	5268007	MONITOR	TZ	3023A	\$700 HOSC
1013617	APPLE	M0401	5268008	MONITOR	TZ	2028	\$700 HOSC
1016373	APPLE	M0401	61578564	MONITOR	TZ	2105	\$976 HOSC
1146741	APPLE	M0401	9024140	MONITOR	TZ	2003C	\$855 HOSC
1146742	APPLE	M0401	9024143	MONITOR	TZ	2007B	\$855 HOSC
1146743	APPLE	M0401	9024142	MONITOR	TZ	2012C	\$855 HOSC
1222147	APPLE	M1297	7119137	MONITOR	4663	A201	\$818 HOSC
1222148	APPLE	M1297	7119128	MONITOR	4663	A201	\$818 HOSC
1219117	APPLE	M1297	7061884	MONITOR	TZ	2011B	\$814 HOSC
1268757	APPLE	M1297	5179361	MONITOR	TZ	3027A	\$850 HOSC
1268758	APPLE	M1297	7106116	MONITOR	TZ	2013B	\$850 HOSC
1400898	APPLE	M1787	CY3348BR152	MONITOR	4663	M200	\$292 HOSC
1222087	APPLE	M1927	T104862	MONITOR	4663	A223	\$632 HOSC
1402279	APPLE	M2118	FC35104Z1CD	COMPUTER	4810	1021	\$2,448 HOSC
1400899	APPLE	M2118	FC41806U1M1	COMPUTER	4663	M200	\$1,879 HOSC
1402276	APPLE	M2118	FC3501C91CD	COMPUTER	TZ	2009A	\$2,448 HOSC
1402277	APPLE	M2118	FC35107L1CD	COMPUTER	TZ	2013C	\$2,448 HOSC
1402278	APPLE	M2118	FC3500PM1CD	COMPUTER	TZ	2009C	\$2,448 HOSC
0858381	APPLE	M5030	F846011M5030	COMPUTER	TZ	2009D	\$5,350 HOSC
1016374	APPLE	M5120	F952VF0M59	COMPUTER	TZ	2012	\$8,069 HOSC
0065443	APPLE	M5252	F718437	COMPUTER	4663	A109	\$2,100 HOSC
0834596	APPLE	M5400	F74412G	COMPUTER	TZ	2010B	\$4,105 HOSC
0858382	APPLE	M5430	F845KZVM5030	COMPUTER	TZ	2019B	\$5,350 HOSC
1016372	APPLE	M5650	F0113GBM5665	COMPUTER	TZ	2105	\$4,000 HOSC
1146470	APPLE	M5780	F11348MF724	COMPUTER	TZ	2029	\$559 HOSC
1146738	APPLE	M5780	F11348DQ724	COMPUTER	TZ	2003C	\$3,917 HOSC
1146739	APPLE	M5780	F11348MR724	COMPUTER	TZ	2007B	\$3,917 HOSC
1146740	APPLE	M5780	F11348MF724	COMPUTER	TZ	2012A	\$3,917 HOSC
1219120	APPLE	M5780	F120941F724	COMPUTER	TZ	2011B	\$3,044 HOSC
1222230	APPLE	M5780	F12223VH724	COMPUTER	TZ	3027A	\$3,038 HOSC
1222231	APPLE	M5780	F12223UC724	COMPUTER	TZ	2013B	\$3,038 HOSC
G084662	APPLE	M5910/EE	F9318WWWK02	COMPUTER	4650	12	\$3,509 HOSC
1145882	APPLE	M6000	CA043XWS	PRINTER	4650	13	\$3,815 HOSC
1016584	APPLE	M6000	CA943D3F	PRINTER	4663	A267	\$4,330 HOSC
1222146	APPLE	M6000	CA146VLVX	PRINTER	4663	A201	\$2,467 HOSC
1013619	APPLE	M6000	CA84632U5	PRINTER	TZ	2028	\$4,566 HOSC
1013015	APPLE	MAC II CX		CPU	4746	143	HOSC
1013618	APPLE	MAC II SI	F8390AM	COMPUTER	TZ	2028	\$5,527 HOSC
1016586	APPLE	MAC IIC1	F0073XNM5665	COMPUTER	4663	A271	\$2,875 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1018107	APPLE	MAC IICI	F10320G8740	COMPUTER	4863	A211	\$4,684	HOSC
1018110	APPLE	MAC IICI	F10290Z5740	COMPUTER	4863	M201	\$4,684	HOSC
1219098	APPLE	MAC IICI	F1208460724	COMPUTER	4863	A275	\$2,728	HOSC
1219701	APPLE	MAC IICI	F12037M3724	COMPUTER	4863	A269	\$3,614	HOSC
1222144	APPLE	MAC IICI	F12253NT724	COMPUTER	4863	A201	\$2,856	HOSC
1222145	APPLE	MAC IICI	F12253N7724	COMPUTER	4863	A201	\$2,856	HOSC
1222208	APPLE	MAC IICI	F12281A1724	COMPUTER	4863	A275	\$2,978	HOSC
1268744	APPLE	MAC IICI	F12367Z2716	COMPUTER	4863	A271	\$4,999	HOSC
1146547	APPLE	MAC IIFX	F3137MYVC4Z	COMPUTER	4863	A273	\$4,343	HOSC
1283298	APPLE	MAC IIVX	F1320F813B8	COMPUTER	4863	A285	\$2,024	HOSC
1283299	APPLE	MAC IIVX	F13198BV3B8	COMPUTER	4863	A287	\$2,024	HOSC
1283300	APPLE	MAC IIVX	F1319ARV3B8	COMPUTER	4863	A285	\$2,024	HOSC
0857806	APPLE	MACII SE	F838FUBM5010	COMPUTER	TZ	2020B	\$1,890	HOSC
1013594	APPLE	MACII SI	F9390AAM5885	COMPUTER	TZ	3023A	\$5,529	HOSC
1222088	APPLE	MACIIFX	F5218BUXC41	COMPUTER	4863	A223	\$4,905	HOSC
1018108	APPLE	RGB	5408142	MONITOR	4863	A211	\$1,200	HOSC
1018109	APPLE	RGB	5408145	MONITOR	4863	M201	\$1,200	HOSC
0065446	APPLE	VY1000	50496	MONITOR	4863	A109	\$1,750	HOSC
1282814	APPLE			MAC IIFX	4810	CAVE		HOSC
1282815	APPLE			MONITOR	4810	CAVE		HOSC
G80168	APPLE			MAC IIFX	4810	CAVE		HOSC
G80169	APPLE			MONITOR	4810	CAVE		HOSC
1401815	APPLE			RGB MONITOR	4810	CAVE		HOSC
1401878	AQUARIUS II	386		COMPUTER	4810	CAVE		HOSC
G029282	AYDIN	1149-003	NONE	FRAME SYNC	4863	A114	\$14,468	HOSC
G029283	AYDIN	876-2	507189	FRAME SYNC	4863	M104	\$14,468	HOSC
0102472	AYDIN	9005355-1	NONE	FRAME SYNC	4863	A114	\$14,468	HOSC
0876559	AYDIN CONTROLS	604		TEST SET DATA TRANSM	4863	A109	\$5,000	HOSC
0188190	BLACK BOX	GD-PA531	7022440	PRINT SPOOLER	4863	A201C	\$949	HOSC
0103036	BLACK BOX	GD-PI560B	870812138	CONVERTER-STORER	4863	A286	\$1,018	HOSC
0103037	BLACK BOX	GD-PI560B	870812111	PRINT SPOOLER	4863	A300	\$1,018	HOSC
0103039	BLACK BOX	GD-PI560B	870812108	CONVERTER-STORER	4863	A286	\$1,018	HOSC
0103040	BLACK BOX	GD-PI560B	870812098	PRINT SPOOLER	4863	A201B	\$1,018	HOSC
0103041	BLACK BOX	GD-PI560B	870812109	PRINT SPOOLER	4863	A220A	\$1,018	HOSC
0103042	BLACK BOX	GD-PI560B	870812093	CONVERTER-STORER	4863	A286	\$1,018	HOSC
0103045	BLACK BOX	GD-PI560B	870812099	CONVERTER-STORER	4863	A286	\$1,018	HOSC
1287911	BLACK BOX	PI553	931135480	SPOOLER	4863	A109B	\$298	HOSC
1222156	BLACK BOX	PI553A		SPOOLER	4863	A209	\$298	HOSC
1285513	BLACK BOX	PI553A	930731643	SPOOLER	4863	A124	\$298	HOSC
1285514	BLACK BOX	PI553A	930731660	SPOOLER	4863	M200	\$298	HOSC
1285515	BLACK BOX	PI553A	930631235	SPOOLER	4863	M200	\$298	HOSC
1285516	BLACK BOX	PI553A	930631231	SPOOLER	4863	A124	\$298	HOSC
1285517	BLACK BOX	PI553A	930731647	SPOOLER	4863	A286	\$298	HOSC
1287649	BLACK BOX	PI553A	951034538	MULTIPOINT SPOOLER	4863	M200	\$339	HOSC
1287650	BLACK BOX	PI553A	931034557	MULTIPOINT SPOOLER	4863	A124	\$339	HOSC
0103047	BRIDGE	ESPL	6334	ETHERNET CONTROLLER	4863	A124	\$8,200	HOSC
0103048	BRIDGE	ESPL	6320	ETHERNET CONTROLLER	4863	A109	\$8,200	HOSC
0103049	BRIDGE	IB2	9459	INTERNETWORK BRIDGE	4863	A124	\$8,000	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
G080333	BROTHER	M-1109	C87201218	PRINTER	4654	131	\$238 HOSC
0440830	BYTEBUG	625	00172	TESTER	4663	A105	\$2,395 HOSC
G082363	BYTEK	135-9-A	661615	PROGRAMMER	4663	A105	\$2,495 HOSC
1146830	C. ITOH	2850C	8842027516	PRINTER	4663	A109	\$425 HOSC
1146831	C. ITOH	2850C	8842027518	PRINTER	4663	A109	\$425 HOSC
1152389	CABLETRON	FR-3000	JC491310021	FIBEROPTIC REPEATER	4663	A260	\$1,550 HOSC
1288478	CABLETRON	MMAC-M8FNB	6663440075070FP	ETHERNET HUB, 8 SLOT	4663	A223	\$34,344 HOSC
0733051	CALIFORNIA COMPUTER	3910	1731	TEST UNIT	4663	A105	\$5,000 HOSC
0405506	CARLISLE	IVMPC	4392	MAG TAPE CLEANER	4663	M100	\$15,830 HOSC
1146105	CCC	3280	824	COMPUTER	4663	A109	\$142,500 HOSC
0542578	CDC	TB216	10352	DISK DRIVE TEST SET	4663	A124	\$4,995 HOSC
1147013	COMPAQ	106995-101	03433646A426	MONITOR	4663	A261	\$498 HOSC
0860991	COMPAQ	112500-001	4850HT1H1526	COMPUTER	4663	A261	\$2,670 HOSC
1219938	COMPAQ	386			4746	146	HOSC
G084567	COMPAQ	386		COMPUTER	4746	146	HOSC
1397478	COMPAQ	PAGEMARQ	510107	PRINTER	TZ	2109	\$4,698 HOSC
G081981	COMPAQ			MONITOR	4746	146	HOSC
G084427	COMPAQ			MONITOR	4746	146	HOSC
G031666	CONCURRENT CORP	027-158	59106	TERMINAL	4663	A109	\$1,500 HOSC
G031668	CONCURRENT CORP	027-158	58962	TERMINAL	4663	A109	\$1,500 HOSC
1146106	CONCURRENT CORP	3280MPS	802	COMPUTER	4663	A109	\$8,650 HOSC
G080478	CONCURRENT CORP	3280MPS	8800601	COMPUTER	4663	A109	\$345,945 HOSC
0063076	CONCURRENT CORP	3284MPS	8790945	COMPUTER	4663	A109	\$359,286 HOSC
G031664	CONCURRENT CORP	3284MPS	8800609	COMPUTER	4663	A109	\$247,125 HOSC
G031665	CONCURRENT CORP	3284MPS	8800966	COMPUTER	4663	A109	\$344,325 HOSC
1153512	CONRAC	7211C19	526746	MONITOR	4663	A260	\$3,368 HOSC
1014516	CONTECH	FS2000-1	468900518	TAPE DRIVE	4492	116B	\$7,900 HOSC
1220929	DATA BEAM	CT1LP5	7167	PRINTER	4663	A109	\$2,913 HOSC
0734021	DATA CHRON INC	3270-152	155	CONVERTER TIME CODE	4663	A124	\$2,250 HOSC
0543033	DATA PRECISION	3500	9229	MULTIMETER	4663	A105	\$1,195 HOSC
1014089	DATA PRODUCTS	8070+	306875	PRINTER	4663	A010	\$2,400 HOSC
0186904	DATA TAPE INC	TD2903-4B	10374	TAPE DEGAUSSER	4663	A114	\$1,000 HOSC
0540905	DATAPRODUCTS	2290	H5154	PRINTER	4663	A109	\$13,026 HOSC
0540977	DATAPRODUCTS	B1000	26-V01066	PRINTER	4663	A109	\$9,995 HOSC
0542963	DATAPRODUCTS	B1000	26V00662	PRINTER	TZ	LOBBY	\$9,947 HOSC
0543228	DATAPRODUCTS	B1000	V02017	PRINTER	TZ	3RDFLR	\$9,519 HOSC
0288481	DATAPRODUCTS	B1000-103	V04428-B-1K	PRINTER	4663	A109	\$10,710 HOSC
0288482	DATAPRODUCTS	B1000-103	V04429-B-1K	LINE PRINTER	4663	A109	\$10,710 HOSC
0288483	DATAPRODUCTS	B1000-103	V04501-B-1K	LINE PRINTER	4663	A109	\$10,710 HOSC
0732934	DATAPRODUCTS	B1000-5	V03323	PRINTER	4663	A109	\$10,629 HOSC
0540734	DATAPRODUCTS	B600-102	26-C24350-B600	PRINTER	4663	A109	\$6,000 HOSC
0287235	DATAPRODUCTS	BP1500	B6-X05550	PRINTER	4663	A109	\$19,366 HOSC
0287236	DATAPRODUCTS	BP1500	B6-X05549	PRINTER	4663	A109	\$19,366 HOSC
1153509	DATARAM	W/W 2000	163370-01	MEMORY CHASSIS	4663	A260	\$13,690 HOSC
0185677	DATUM	9100	2850	GENERATOR	4663	A109	\$3,083 HOSC
0285859	DATUM	9100-900	2663	GENERATOR	4663	A109	\$2,375 HOSC
0177216	DATUM	9200	3499	TIME CODE TRANSLATOR	4663	A114	\$1,500 HOSC
0177219	DATUM	9200	3498	TIME CODE TRANSLATOR	4663	A114	\$1,500 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0185678	DATUM	9200	3469	TIME CODE TRANSLATOR	4663	A109	\$2,085	HOSC
0185679	DATUM	9200	3468	TIME CODE TRANSLATOR	4663	A124	\$2,085	HOSC
0186147	DATUM	9200	3212	READER, TIME CODE	4663	A114	\$4,500	HOSC
0186149	DATUM	9200	3217	READER, TIME CODE	4663	A114	\$4,500	HOSC
0187100	DATUM	9200	3220	READER, TIME CODE	4663	A114	\$4,500	HOSC
0187102	DATUM	9200	3219	READER, TIME CODE	4663	A114	\$4,500	HOSC
0187103	DATUM	9200	3214	READER, TIME CODE	4663	A114	\$4,500	HOSC
0783377	DATUM	9300	3407	TIME CODE UNIT	4663	A109	\$1,895	HOSC
0286073	DATUM	9300-7162	5498	TRANSLATOR/GENERATOR	4663	A109	\$3,170	HOSC
G083582	DATUM	9310	9310-806	TIME GENERATOR/TRANS	4663	A124	\$8,465	HOSC
0541042	DATUM	9520-100	2031	TIME DISPLAY	4663	A109	\$995	HOSC
0541043	DATUM	9520-100	1235	TIME DISPLAY	4663	A109	\$995	HOSC
1018032	DAVTRONICS	AT386	90081731-2	COMPUTER	TZ	3002B	\$2,344	HOSC
0288484	DEC	11730-CA	KL0705	COMPUTER	4663	A109	\$14,835	HOSC
0731086	DEC	11730-CA	N100955	COMPUTER	4663	A109	\$23,157	HOSC
0731087	DEC	11730-CA	N100882	COMPUTER	4663	A109	\$26,326	HOSC
0187477	DEC	11785-AA	86092037X	COMPUTER	4663	A109	\$166,404	HOSC
0544696	DEC	11785-AA	82C50189X	COMPUTER	4663	A109	\$205,935	HOSC
0544703	DEC	11785-AA	N179053676X	COMPUTER	4663	A109	\$190,381	HOSC
1219017	DEC	200/MC		SERVER	4746	114		HOSC
G081974	DEC	200/MC		SERVER	4746	114		HOSC
G081976	DEC	200/MC		SERVER	4746	114		HOSC
1282683	DEC	3100-10E	KA314KU388	COMPUTER	4663	A109	\$7,356	HOSC
1288837	DEC	3100-80	KA236W7644	COMPUTER	4663	A109	\$13,782	HOSC
1282650	DEC	3100-80	KA313KFF023	COMPUTER	4663	A109	\$19,472	HOSC
1218810	DEC	5000/200	AB03908HYL	COMPUTER, MICRO	4610	1027	\$1,600	HOSC
1287019	DEC	63003-FA	WF72313111	COMPUTER	4663	A105	\$0	HOSC
1397561	DEC	63003-FA	WF82611421	COMPUTER	4663	A105	\$24,644	HOSC
1145872	DEC	640QS-82	WF00308908	COMPUTER, MAINFRAME	4610	2053	\$32,264	HOSC
1146138	DEC	640QS-82	N111815918	COMPUTER	4663	A109	\$31,704	HOSC
1145817	DEC	655QS-82	WF1065378	COMPUTER, MINI	4610	2053	\$63,990	HOSC
1396709	DEC	80-HSC95-BA	CX326N0429	DISK CONTROLLER	4663	A109	\$62,710	HOSC
1396710	DEC	80-HSC95-BA	CX308N0264	DISK CONTROLLER	4663	A109	\$53,758	HOSC
1396711	DEC	80-HSC95-BA	CX350N0508	DISK CONTROLLER	4663	A109	\$52,134	HOSC
1396712	DEC	80-HSC95-BA	CX336N0472	DISK CONTROLLER	4663	A109	\$52,134	HOSC
0104544	DEC	8248B-YE	KA72401688	COMPUTER	4663	A109	\$80,473	HOSC
0104545	DEC	8248B-YE	KA72401687	COMPUTER	4663	A109	\$80,473	HOSC
0104546	DEC	8248B-YE	KA72401571	COMPUTER	4663	A109	\$80,473	HOSC
0104547	DEC	8248B-YE	KA72401684	COMPUTER	4663	A109	\$80,473	HOSC
G031386	DEC	87XBA-XA	N181302146	COMPUTER	4663	A109	\$452,866	HOSC
G031387	DEC	87XBA-XA	N181302154	COMPUTER	4663	A109	\$452,866	HOSC
1145561	DEC	9254210-8W	AB01505GFA	COMPUTER, MICRO	4610	3092	\$11,698	HOSC
0102342	DEC	BA123	WF72505667	COMPUTER, DIGITAL	4610	2015	\$20,012	HOSC
1279396	DEC	C826	SP15200233	TAPE DRIVE	4650	11	\$3,690	HOSC
1285475	DEC	DEBET-AU	AS08284	LANBRIDGE	4663	A109	\$6,388	HOSC
1272661	DEC	DEFCON-AC	AS23502775	CONCENTRATOR 500	4663	A223	\$14,030	HOSC
1272662	DEC	DEFEB-AC	AS14301009	BRIDGE 500	4663	A223	\$14,694	HOSC
1397439	DEC	DELNI	AS50243	ETHERNET DELNI	4663	A109	\$887	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0835103	DEC	DELNI-AA	AS78364	INTERCONNECTING BOX	4610	1027	\$1,152 HOSC
0857747	DEC	DELNI-AA	AS81928	INTERCONNECTING BOX	4610	1013	\$1,444 HOSC
0857752	DEC	DELNI-AA	AS81929	INTERCONNECTING BOX	4610	1037	\$1,444 HOSC
0835105	DEC	DELNI-BA		ETHERNET INTERCONNEC	4663	A223	\$1,152 HOSC
1146197	DEC	DELNI-BA	AS31889	INTERCONNECT, LAN	4663	M103	\$1,666 HOSC
1146199	DEC	DELNI-BA	KL10776306	INTERCONNECT, LAN	4663	M103	\$1,666 HOSC
1146200	DEC	DELNI-BA	KL10776286	INTERCONNECT, LAN	4663	M103	\$1,666 HOSC
1146349	DEC	DELNI-BA	AS30057	ETHERNET INTERCONNEC	4663	A124	\$1,393 HOSC
1146350	DEC	DELNI-BA	AS30047	ETHERNET INTERCONNET	4663	A124	\$1,393 HOSC
1222297	DEC	DELNI-BA	AS22503229	TRANCEIVER MULTIPLEX	4663	A109	\$1,081 HOSC
1146198	DEC	DELNI-BB	KL10675532	DELNI	4663	A109	\$1,200 HOSC
1146201	DEC	DEMPR-AA	AS11954897	THINWIRE REPEATER	4663	M103	\$2,835 HOSC
1146202	DEC	DEMPR-AA	AS11954840	THINWIRE REPEATER	4663	M103	\$3,351 HOSC
1146203	DEC	DEMPR-AA	AS11954893	THINWIRE REPEATER	4663	M103	\$2,835 HOSC
1146957	DEC	DEMPR-AA	AS14959389	THINWIRE REPEATER	4663	A109	\$2,013 HOSC
1154264	DEC	DEMPR-AA	AS11954790	THINWIRE REPEATER	4663	A105	\$2,431 HOSC
1222185	DEC	DEMPR-AA	AS90633028	THINWIRE REPEATER	4663	A274	\$1,999 HOSC
1222186	DEC	DEMPR-AA	AS02747717	THINWIRE REPEATER	4663	A164	\$1,999 HOSC
1222298	DEC	DEMPR-AA	AS22563633	THINWIRE REPEATER	4663	A109	\$2,012 HOSC
1269487	DEC	DEMPR-AA	AS22362998	THINWIRE REPEATER	4663	A109A	\$2,647 HOSC
0062925	DEC	DEMPRAA	AS17407658	REPEATER, ETHERNET	4610	2027	\$2,083 HOSC
1018368	DEC	DEMSA-AA	AS02005420	MICROSERVER	4663	A109	\$14,280 HOSC
1018369	DEC	DEMSA-AA	AS02705673	MICROSERVER	4663	A109	\$14,280 HOSC
1018370	DEC	DEMSA-AA	AS02005408	MICROSERVER	4663	A109	\$14,280 HOSC
1018371	DEC	DEMSA-AA	AS02005418	MICROSERVER	4663	A109	\$14,280 HOSC
1018372	DEC	DEMSA-AA	AS02705663	MICROSERVER	4663	A109	\$14,280 HOSC
1018373	DEC	DEMSA-AA	AS02005417	MICROSERVER	4663	A109	\$14,280 HOSC
1145915	DEC	DENLI	AS10470	ETHERNET INTERCONNEC	4663	A109	\$1,295 HOSC
1152546	DEC	DEREN-AA	AS112546	THINWIRE REPEATER	4663	A109	\$1,224 HOSC
0264093	DEC	DEREP-AA	AS12642	REPEATER, ETHERNET	4610	1037	\$960 HOSC
0063883	DEC	DH-630Q2-F2	WF74013730	COMPUTER	4663	A109	\$20,237 HOSC
0063884	DEC	DH-630Q2-F2	WF74013731	COMPUTER	4663	M204	\$20,237 HOSC
0063885	DEC	DH-630Q2-F2	WF74013728	COMPUTER	4663	M103	\$20,237 HOSC
0063886	DEC	DH-630Q2-F2	WF74013729	COMPUTER	4663	M103	\$20,237 HOSC
0064410	DEC	DH-630Q2-F2	WF74013715	COMPUTER	4663	M103	\$19,309 HOSC
0064411	DEC	DH-630Q2-F2	WF74013718	COMPUTER	4663	A109	\$19,309 HOSC
0064412	DEC	DH-630Q2-F2	WF74013719	COMPUTER	4663	A274	\$19,309 HOSC
0064413	DEC	DH-630Q2-F2	WF74013718	COMPUTER	4663	A209	\$19,309 HOSC
0064414	DEC	DH-630Q2-F2	WF74013717	COMPUTER	4663	M204	\$19,309 HOSC
0064415	DEC	DH-630Q2-F2	WF74013716	COMPUTER	4663	M103	\$19,309 HOSC
0064416	DEC	DH-630Q2-F2	WF74013721	COMPUTER	4663	M103	\$19,309 HOSC
0103487	DEC	DH-630Q2-F2	WF72913190	COMPUTER	4663	A274	\$21,128 HOSC
0103488	DEC	DH-630Q2-F2	WF73013209	COMPUTER	4663	A274	\$21,128 HOSC
0103489	DEC	DH-630Q2-F2	WF73013206	COMPUTER	4663	A274	\$21,128 HOSC
0103490	DEC	DH-630Q2-F2	WF73013208	COMPUTER	4663	A274	\$21,128 HOSC
0103491	DEC	DH-630Q2-F2	WF73013211	COMPUTER	4663	A274	\$21,128 HOSC
0103492	DEC	DH-630Q2-F2	WF73013207	COMPUTER	4663	A274	\$21,128 HOSC
0103493	DEC	DH-630Q2-F2	WF73013210	COMPUTER	4663	A274	\$21,128 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0103494	DEC	DH-630Q2-F2	WF73013213	COMPUTER	4663	A274	\$21,128 HOSC
0103495	DEC	DH-630Q2-F2	WF73013212	COMPUTER	4663	A274	\$21,128 HOSC
0289155	DEC	DH-630Q2-F2	BT02756	COMPUTER	4663	M103	\$16,725 HOSC
0289156	DEC	DH-630Q2-F2	BT02643	COMPUTER	4663	A109	\$18,075 HOSC
0289157	DEC	DH-630Q2-F2	BT02759	COMPUTER	4663	M103	\$16,725 HOSC
0289158	DEC	DH-630Q2-F2	BT02753	COMPUTER	4663	A223	\$16,725 HOSC
0289163	DEC	DH-630Q2-F2	BT02757	COMPUTER	4663	M103	\$16,725 HOSC
0289164	DEC	DH-630Q2-F2	BT02754	COMPUTER	4663	A209	\$16,725 HOSC
0289165	DEC	DH-630Q2-F2	BT02644	COMPUTER	4663	M103	\$16,725 HOSC
0289166	DEC	DH-630Q2-F2	BT02649	COMPUTER	4663	M204	\$16,725 HOSC
0289167	DEC	DH-630Q2-F2	BT02645	COMPUTER	4663	M103	\$16,725 HOSC
0289168	DEC	DH-630Q2-F2	BT02758	COMPUTER	4663	M204	\$16,725 HOSC
0289169	DEC	DH-630Q2-F2	BT02755	COMPUTER	4663	M204	\$16,725 HOSC
0289170	DEC	DH-630Q2-F2	BT02651	COMPUTER	4663	M204	\$16,725 HOSC
0289171	DEC	DH-630Q2-F2	BT02650	COMPUTER	4663	A209	\$16,725 HOSC
0289174	DEC	DH-630Q2-F2	BT02646	COMPUTER	4663	A109	\$16,725 HOSC
0289178	DEC	DH-630Q2-F2	BT02647	COMPUTER	4663	A209	\$16,725 HOSC
0289179	DEC	DH-630Q2-F2	BT02652	COMPUTER	4663	A209	\$16,725 HOSC
0289180	DEC	DH-630Q2-F2	BT02648	COMPUTER	4663	A209	\$16,725 HOSC
0288468	DEC	DSRVA-AA	99O-007721	DEC SERVER 100	4493	105	\$1,664 HOSC
0176243	DEC	DSRVA-AA	AG 33005	SWITCHING UNIT, ELECTRO	4610	1013	\$2,950 HOSC
0176245	DEC	DSRVA-AA	AG 30128	SWITCHING UNIT, ELECTRO	4610	1037	\$2,950 HOSC
0176246	DEC	DSRVA-AA	AG 31587	SWITCHING UNIT, ELECTRO	4610	1037	\$2,950 HOSC
0244677	DEC	DSRVA-AA	AG/008565	SWITCHING UNIT, ELECTRO	4610	3090D	\$1,664 HOSC
0244678	DEC	DSRVA-AA	AG/007923	SWITCHING UNIT, ELECTRO	4610	1037	\$1,664 HOSC
0288464	DEC	DSRVA-AA	AGO-009318	SWITCHING UNIT, ELECTRO	4610	3090D	\$1,664 HOSC
0288465	DEC	DSRVA-AA	AGO-009375	SWITCHING UNIT, ELECTRO	4610	1037	\$1,664 HOSC
1013576	DEC	DSRVA-AA	AG39363	SWITCHING UNIT, ELECTRO	4610	2027	\$2,183 HOSC
G031992	DEC	DSRVA-AA	AG39886	SWITCHING UNIT, ELECTRO	4610	1037	\$1,664 HOSC
0064113	DEC	DSRVA-AA	AG740EP462	DEC SERVER 100	4663	A220A	\$2,702 HOSC
0064114	DEC	DSRVA-AA	AG740EP400	DEC SERVER 100	4663	A220A	\$2,702 HOSC
0175633	DEC	DSRVA-AA	AG28016	DEC SERVER 100	4663	A109	\$2,950 HOSC
0176250	DEC	DSRVA-AA	AG32988	DEC SERVER 100	4663	A109	\$2,950 HOSC
0176253	DEC	DSRVA-AA	AG31550	DEC SERVER 100	4663	A109	\$2,950 HOSC
0264118	DEC	DSRVA-AA	AG-7622	DEC SERVER 100	4663	A300	\$1,664 HOSC
0264602	DEC	DSRVA-AA	AG07878	DEC SERVER 100	4663	A105	\$1,664 HOSC
0264605	DEC	DSRVA-AA	AG07945	DEC SERVER 100	4663	M204	\$1,664 HOSC
0288466	DEC	DSRVA-AA	AGO-007729	DEC SERVER 100	4663	M204	\$1,664 HOSC
0288470	DEC	DSRVA-AA	AGO-007434	DEC SERVER 100	4663	A105	\$1,664 HOSC
0288477	DEC	DSRVA-AA	AG0009317	DEC SERVER 100	4663	M204	\$1,664 HOSC
G082637	DEC	DSRVA-AA	AG923DZY58	DEC SERVER 100	4663	A109	\$3,125 HOSC
0176252	DEC	DSRVA-AA	AG33472	DEC SERVER 100	TZ	EQP3	\$2,950 HOSC
0264601	DEC	DSRVA-AA	AG08113	DEC SERVER 100	TZ	3RD FLR	\$1,664 HOSC
0264603	DEC	DSRVA-AA	AG0007922	DEC SERVER 100	TZ	3RD FLR	\$1,664 HOSC
0264609	DEC	DSRVA-AA	AG08000	DEC SERVER 100	TZ	EQP3	\$1,664 HOSC
0264610	DEC	DSRVA-AA	AG08111	DEC SERVER 100	TZ	2105	\$1,664 HOSC
0288467	DEC	DSRVA-AA	AGO-007584	DEC SERVER 100	TZ	3RD FLR	\$1,664 HOSC
G082849	DEC	DSRVA-AA	AG9220SH96	DEC SERVER 100	TZ	EQP3	\$2,289 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST ARE
0835100	DEC	DSRVB-A	AG826RY392	SWITCHING UNIT, ELECTRO	4610	1013	\$3,035 HOSC
0063530	DEC	DSRVB-A	AG735BU021	DEC SERVER 200	4663	A109	\$2,628 HOSC
0063531	DEC	DSRVB-A	AG735BU703	DEC SERVER 200	4663	A109	\$2,628 HOSC
0063532	DEC	DSRVB-A	AG7350W985	DEC SERVER 200	4663	A109	\$2,628 HOSC
0063533	DEC	DSRVB-A	AG735BU565	DEC SERVER 200	4663	A300	\$2,628 HOSC
0063534	DEC	DSRVB-A	AG735BU695	DEC SERVER 200	4663	A300	\$2,628 HOSC
0063537	DEC	DSRVB-A	AG735BU516	DEC SERVER 200	4663	A109	\$2,628 HOSC
0063538	DEC	DSRVB-A	AF735BU696	DEC SERVER 200	4663	A109	\$2,628 HOSC
0063539	DEC	DSRVB-A	AG735BU697	DEC SERVER 200	4663	A109	\$2,628 HOSC
0104535	DEC	DSRVB-A	AG726S0714	DEC SERVER 200	4663	A109	\$2,610 HOSC
0104536	DEC	DSRVB-A	AG726S0721	DEC SERVER 200	4663	A109	\$2,610 HOSC
0104538	DEC	DSRVB-A	AG726S9678	DEC SERVER 200	4663	A109	\$2,610 HOSC
0104539	DEC	DSRVB-A	AG727T0426	DEC SERVER 200	4663	A109	\$2,610 HOSC
0104541	DEC	DSRVB-A	AG727T0925	DEC SERVER 200	4663	A105	\$2,610 HOSC
0104543	DEC	DSRVB-A	AG707L6955	DEC SERVER 200	4663	M204	\$2,610 HOSC
0835099	DEC	DSRVB-A	AG826RY106	DEC SERVER 200	4663	A109	\$3,035 HOSC
0836648	DEC	DSRVB-A	AG832SY055	DEC SERVER 200	4663	A109	\$3,035 HOSC
1012852	DEC	DSRVB-A	AG943HSR30	DEC SERVER 200	4663	A109	\$3,040 HOSC
1012853	DEC	DSRVB-A	AG943HSF60	DEC SERVER 200	4663	A209	\$3,040 HOSC
1013275	DEC	DSRVB-A	AG945HZK99	DEC SERVER 200	4663	M103	\$3,040 HOSC
1013276	DEC	DSRVB-A	AG945HZK39	DEC SERVER 200	4663	M103	\$3,040 HOSC
1013277	DEC	DSRVB-A	AG945HZK35	DEC SERVER 200	4663	A109	\$3,040 HOSC
1013291	DEC	DSRVB-A	AG945HZK41	DEC SERVER 200	4663	A109	\$3,040 HOSC
1013292	DEC	DSRVB-A	AG945HZK41	DEC SERVER 200	4663	A109	\$3,040 HOSC
1013293	DEC	DSRVB-A	AG945MZX25	DEC SERVER 200	4663	A223	\$3,040 HOSC
1017519	DEC	DSRVB-A	AG951JRU24	DEC SERVER 200	4663	A109	\$1,991 HOSC
1017522	DEC	DSRVB-A	AG951JRM36	DEC SERVER 200	4663	A109	\$1,991 HOSC
1145642	DEC	DSRVB-A	M4023310	DEC SERVER 200	4663	A109	\$1,700 HOSC
1146270	DEC	DSRVB-A	AG115RKL17	DEC SERVER 200	4663	A109	\$2,360 HOSC
1146271	DEC	DSRVB-A	AG115RCF53	DEC SERVER 200	4663	A109	\$2,360 HOSC
1146272	DEC	DSRVB-A	AG115RKL33	DEC SERVER 200	4663	A109	\$2,360 HOSC
1146273	DEC	DSRVB-A	AG115RKL29	DEC SERVER 200	4663	A109	\$2,360 HOSC
1146274	DEC	DSRVB-A	AG115RKL26	DEC SERVER 200	4663	A109	\$2,360 HOSC
1146347	DEC	DSRVB-A	AG121RTH27	DEC SERVER 200	4663	A105	\$2,592 HOSC
1146348	DEC	DSRVB-A	AG120RSW63	DEC SERVER 200	4663	A109	\$2,592 HOSC
0063535	DEC	DSRVB-A	AG738DW987	DEC SERVER 200	TZ	EQP3	\$2,828 HOSC
1149449	DEC	DSRVB-A	AG84DVR853	DEC SERVER 200	TZ	EQP3	\$2,759 HOSC
1149452	DEC	DSRVB-A	AG851ABC80	DEC SERVER 200	TZ	EQP3	\$2,759 HOSC
G082636	DEC	DSRVB-A	AG923DZY62	DEC SERVER 200	TZ	EQP3	\$3,125 HOSC
G082848	DEC	DSRVB-A	AG922DTW70	DEC SERVER 200	TZ	EQP3	\$2,289 HOSC
0065842	DEC	DSRVB-AA	725P8936	SWITCHING UNIT, ELECTRO	4610	1065A	\$2,759 HOSC
0065843	DEC	DSRVB-AA	725P8936	SWITCHING UNIT, ELECTRO	4610	1065A	\$2,759 HOSC
0065846	DEC	DSRVB-AA	730V8989	SWITCHING UNIT, ELECTRO	4610	1065A	\$2,759 HOSC
0103155	DEC	DSRVB-AA	AG728U2876	SWITCHING UNIT, ELECTRO	4610	1013	\$2,628 HOSC
0103156	DEC	DSRVB-AA	AG727T8324	SWITCHING UNIT, ELECTRO	4610	1013	\$2,628 HOSC
0104534	DEC	DSRVB-AA	AG726S0711	SWITCHING UNIT, ELECTRO	4610	1013	\$2,610 HOSC
0836633	DEC	DSRVB-AA	AG832SY010	SWITCHING UNIT, ELECTRO	4610	1065A	\$3,035 HOSC
0836634	DEC	DSRVB-AA	AG832SY014	SWITCHING UNIT, ELECTRO	4610	1013	\$3,035 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0836636	DEC	DSRVB-AA	AG832SZ053	SWITCHING UNIT, ELECTRO	4610	2070	\$3,035 HOSC
0836642	DEC	DSRVB-AA	AG832SY020	SWITCHING UNIT, ELECTRO	4610	1041	\$3,035 HOSC
0836643	DEC	DSRVB-AA	AG832SZ054	SWITCHING UNIT, ELECTRO	4610	1013	\$3,035 HOSC
0836645	DEC	DSRVB-AA	AG832SZ055	SWITCHING UNIT, ELECTRO	4610	1065A	\$3,035 HOSC
0836646	DEC	DSRVB-AA	AG832SY005	SWITCHING UNIT, ELECTRO	4610	1013	\$3,035 HOSC
0836652	DEC	DSRVB-AA	AG832SY028	SWITCHING UNIT, ELECTRO	4610	1065A	\$3,035 HOSC
0836653	DEC	DSRVB-AA	AG832SY019	SWITCHING UNIT, ELECTRO	4610	2027	\$3,035 HOSC
1146763	DEC	DSRVF-B	AG144TP78	DEC SERVER 300	4663	A105	\$3,102 HOSC
1222282	DEC	DSRVF-B	AG146TWA70	DEC SERVER 300	4663	A124	\$2,895 HOSC
1285860	DEC	DSRVF-B2	AG020LYE99	DEC SERVER 700	4663	A124	\$3,750 HOSC
1282681	DEC	DSRVP-A	SN24386609	ENET PRINT SERVER	4663	A109	\$2,426 HOSC
1222123	DEC	DSRVW-CA	AG212VVA73	DEC SERVER 700	4663	M204	\$2,247 HOSC
1222124	DEC	DSRVW-CA	AG223WSW34	DEC SERVER 700	4663	M204	\$2,247 HOSC
1222125	DEC	DSRVW-CA	AG223WS21	DEC SERVER 700	4663	M204	\$2,247 HOSC
1222126	DEC	DSRVW-CA	AG219WHE35	DEC SERVER 700	4663	M204	\$2,247 HOSC
1222127	DEC	DSRVW-CA	AG223WSS10	DEC SERVER 700	4663	M204	\$2,247 HOSC
1222128	DEC	DSRVW-CA	AG219WHR08	DEC SERVER 700	4663	A209	\$2,247 HOSC
1222129	DEC	DSRVW-CA	AG223WSW30	DEC SERVER 700	4663	A209	\$2,247 HOSC
1222130	DEC	DSRVW-CA	AG214VYD25	DEC SERVER 700	4663	A209	\$2,247 HOSC
1222131	DEC	DSRVW-CA	AG212VVB51	DEC SERVER 700	4663	M204	\$2,247 HOSC
1268869	DEC	DSRVW-CA	GA21451344	DEC SERVER 700	4663	A124	\$3,152 HOSC
1273325	DEC	DSRVW-CA	AS30706683	DEC SERVER 700	4663	A209	\$2,360 HOSC
1273326	DEC	DSRVW-CA	AS30806079	DEC SERVER 700	4663	A109	\$2,360 HOSC
1278918	DEC	DSRVW-CA	AG233YMJ35	DEC SERVER 700	4663	A124	\$3,152 HOSC
1278919	DEC	DSRVW-CA	AG339YVL47	DEC SERVER 700	4663	A209	\$3,152 HOSC
1278920	DEC	DSRVW-CA	AG239YVL49	DEC SERVER 700	4663	A209	\$3,152 HOSC
1278921	DEC	DSRVW-CA	AG233YMJ39	DEC SERVER 700	4663	A209	\$3,152 HOSC
1282536	DEC	DSRVW-CA	AS30806043	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282537	DEC	DSRVW-CA	AS30806031	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282538	DEC	DSRVW-CA	AS30706764	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282539	DEC	DSRVW-CA	AS30806046	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282540	DEC	DSRVW-CA	AS30806022	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282541	DEC	DSRVW-CA	AS30807653	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282542	DEC	DSRVW-CA	AS30806036	DEC SERVER 700	4663	A274	\$2,149 HOSC
1282543	DEC	DSRVW-CA	AS30706706	DEC SERVER 700	4663	A109	\$2,149 HOSC
1282544	DEC	DSRVW-CA	AS30806049	DEC SERVER 700	4663	A223	\$2,149 HOSC
1282545	DEC	DSRVW-CA	AS30706710	DEC SERVER 700	4663	A209	\$2,149 HOSC
1282546	DEC	DSRVW-CA	AS30807632	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282547	DEC	DSRVW-CA	AS30806027	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282548	DEC	DSRVW-CA	AS30706702	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282549	DEC	DSRVW-CA	AS30706519	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282550	DEC	DSRVW-CA	GA24961327	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282551	DEC	DSRVW-CA	AS30806038	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282552	DEC	DSRVW-CA	AS30806040	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282553	DEC	DSRVW-CA	AS30806056	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282554	DEC	DSRVW-CA	AS30806033	DEC SERVER 700	4663	M103	\$2,149 HOSC
1282555	DEC	DSRVW-CA	AS30807673	DEC SERVER 700	4663	M103	\$2,149 HOSC
1016331	DEC	DV-31CT2-A	WF00628769	COMPUTER	4663	A109A	\$17,965 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1145625	DEC	DV-31CT2-A-A01	KA038D0220	COMPUTER	4663	M103	\$13,953 HOSC
1145627	DEC	DV-31CT2-A-A01	KA038D0219	COMPUTER	4663	A109	\$13,953 HOSC
1081423	DEC	DV-31CT2-A-A01	AB04202AGL	COMPUTER	TZ	3017B	\$7,816 HOSC
1278922	DEC	DV-31ETA-A-A01	KA238Y3417	COMPUTER	4663	A109A	\$9,685 HOSC
1287395	DEC	DV-41MCA-EA	KA337BJW44	COMPUTER	4663	A109	\$32,362 HOSC
1289515	DEC	GDM1961	IS22128322	DISPLAY UNIT	4610	1027	\$1,500 HOSC
1398044	DEC	GDM1961	24855964	DISPLAY UNIT	4610	3092	\$1,500 HOSC
1398045	DEC	GDM1961	25159566	DISPLAY UNIT	4610	3090	\$1,500 HOSC
1279394	DEC	GDM1961	IS21516016	MONITOR	4650	11	\$1,500 HOSC
1283082	DEC	GDM1961	22128131	MONITOR	4663	M203	\$800 HOSC
G031364	DEC	H9652EA	AS01449	EXP CABINET	4663	A109	\$3,821 HOSC
G031365	DEC	H9652EA	AS01450	EXP CABINET	4663	A109	\$3,821 HOSC
1146368	DEC	H9657-CA	AG310SHW30	COMPUTER	4663	A109	\$197,637 HOSC
0104568	DEC	HSC50-AA	CX07612	DISK CONTROLLER	4663	A109	\$27,673 HOSC
0104569	DEC	HSC50-AA	CX07792	DISK CONTROLLER	4663	A109	\$27,673 HOSC
0175655	DEC	HSC50-AA	CX06428	DISK CONTROLLER	4663	A109	\$37,500 HOSC
0244591	DEC	HSC50-AA	CX04624	FILE MANAGER	4663	A109	\$23,185 HOSC
0244592	DEC	HSC50-AA	CX04623	FILE MANAGER	4663	A109	\$51,685 HOSC
G030875	DEC	HSC50-AA	CX08336	FILE MANAGER	4663	A109	\$74,936 HOSC
0266210	DEC	LA 210		PRINTER	4746	146	HOSC
0289348	DEC	LA 210		PRINTER	4746	146	HOSC
0104550	DEC	LA100	PN714AG161	PRINTER	4663	A286	\$1,509 HOSC
0289162	DEC	LA100	PNS5574	PRINTER	4663	A286	\$1,141 HOSC
0289175	DEC	LA100	PNS8547	PRINTER	4663	A010	\$1,141 HOSC
0289182	DEC	LA100	PNW8657	PRINTER	4663	A286	\$1,141 HOSC
0289183	DEC	LA100	PNW8262	PRINTER	4663	A109A	\$1,141 HOSC
0289184	DEC	LA100	PNS5499	PRINTER	4663	A010	\$1,141 HOSC
0733095	DEC	LA100	PNU9638	PRINTER	4663	A218	\$1,595 HOSC
1223419	DEC	LA100-BA	PNS4105	PRINTER	4663	A109A	\$2,340 HOSC
0732644	DEC	LA100CA	PNR2505	PRINTER, ADP	4610	1001A	\$1,799 HOSC
0732645	DEC	LA100CA	PNR5942	PRINTER, ADP	4610	1004	\$1,799 HOSC
0732654	DEC	LA100CA	PNR5945	PRINTER, ADP	4610	1001B	\$1,799 HOSC
0544705	DEC	LA120	PN093641	PRINTER	4663	A109	\$2,500 HOSC
0288447	DEC	LA210	TA31829	PRINTER	4493	105	\$1,021 HOSC
0264086	DEC	LA210	TA51727189	PRINTER, ADP	4610	1007	\$1,020 HOSC
0266197	DEC	LA210	TA62554544	PRINTER, ADP	4610	2005	\$1,595 HOSC
0266201	DEC	LA210	TA62554501	PRINTER, ADP	4610	1004	\$1,595 HOSC
0266204	DEC	LA210	TA62554448	PRINTER, ADP	4610	1028	\$1,595 HOSC
0266206	DEC	LA210	TA62554580	PRINTER, ADP	4610	1005	\$1,595 HOSC
0266208	DEC	LA210	TA62555159	PRINTER, ADP	4610	1005	\$1,595 HOSC
0266218	DEC	LA210	TA62554620	PRINTER, ADP	4610	2059C	\$1,595 HOSC
0266225	DEC	LA210	TA62554415	PRINTER, ADP	4610	2003	\$1,595 HOSC
0288430	DEC	LA210	TA31847	PRINTER	4650	11	\$1,021 HOSC
0288446	DEC	LA210	TA31574	PRINTER	4650	210	\$1,021 HOSC
0288449	DEC	LA210	TA31839	PRINTER	4650	11	\$1,021 HOSC
0264063	DEC	LA210	TA31570	PRINTER	4663	A109	\$1,021 HOSC
0264138	DEC	LA210	TA37143	PRINTER	4663	A109	\$1,021 HOSC
0266198	DEC	LA210	TA62555149	PRINTER	4663	A109	\$1,595 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0288375	DEC	LA210	TA32087	PRINTER	4663	A222	\$1,021	HOSC
0288376	DEC	LA210	TA31652	PRINTER	4663	M103	\$1,021	HOSC
0288378	DEC	LA210	TA31651	PRINTER	4663	A109	\$1,021	HOSC
0288384	DEC	LA210	TA32094	PRINTER	4663	M103	\$1,021	HOSC
0288387	DEC	LA210	TA32092	PRINTER	4663	A109B	\$1,021	HOSC
0288389	DEC	LA210	TA31844	PRINTER	4663	A124	\$1,021	HOSC
0288391	DEC	LA210	TA31841	PRINTER	4663	A124	\$1,021	HOSC
0288393	DEC	LA210	TA31848	PRINTER	4663	A109	\$1,021	HOSC
0288395	DEC	LA210	TA55132	PRINTER	4663	M101	\$1,021	HOSC
0288397	DEC	LA210	TA32184	PRINTER	4663	M103	\$1,021	HOSC
0288398	DEC	LA210	TA31853	PRINTER	4663	A109	\$1,021	HOSC
0288400	DEC	LA210	TA31843	PRINTER	4663	M101	\$1,021	HOSC
0288401	DEC	LA210	TA31863	PRINTER	4663	M103	\$1,021	HOSC
0288404	DEC	LA210	TA31834	PRINTER	4663	M101	\$1,021	HOSC
0288406	DEC	LA210	TA31073	PRINTER	4663	M101	\$1,021	HOSC
0288407	DEC	LA210	TA31878	PRINTER	4663	A109	\$1,021	HOSC
0288411	DEC	LA210	TA32190	PRINTER	4663	M101	\$1,021	HOSC
0288413	DEC	LA210	TA31888	PRINTER	4663	A206	\$1,021	HOSC
0288414	DEC	LA210	TA32088	PRINTER	4663	M103	\$1,021	HOSC
0288416	DEC	LA210	TA32080	PRINTER	4663	M103	\$1,021	HOSC
0288417	DEC	LA210	TA32197	PRINTER	4663	M101	\$1,021	HOSC
0288419	DEC	LA210	TA31877	PRINTER	4663	A206	\$1,021	HOSC
0288421	DEC	LA210	TA32083	PRINTER	4663	M101	\$1,021	HOSC
0288422	DEC	LA210	TA31890	PRINTER	4663	M103	\$1,021	HOSC
0288424	DEC	LA210	TA31886	PRINTER	4663	A109	\$1,021	HOSC
0288425	DEC	LA210	TA31874	PRINTER	4663	M103	\$1,021	HOSC
0288431	DEC	LA210	TA31872	PRINTER	4663	M101	\$1,021	HOSC
0288434	DEC	LA210	TA30889	PRINTER	4663	M101	\$1,021	HOSC
0288439	DEC	LA210	TA31583	PRINTER	4663	A216	\$1,021	HOSC
0288440	DEC	LA210	TA31480	PRINTER	4663	M103	\$1,021	HOSC
0288441	DEC	LA210	TA31833	PRINTER	4663	A212	\$1,021	HOSC
0288442	DEC	LA210	TA31890	PRINTER	4663	A124	\$1,021	HOSC
0288444	DEC	LA210	TA27888	PRINTER	4663	A101	\$1,021	HOSC
0288445	DEC	LA210	TA31884	PRINTER	4663	A114	\$1,021	HOSC
0288448	DEC	LA210	TA31842	PRINTER	4663	M101	\$1,021	HOSC
0288450	DEC	LA210	TA31840	PRINTER	4663	M103	\$1,021	HOSC
0288453	DEC	LA210	TA31582	PRINTER	4663	A109	\$1,021	HOSC
0288460	DEC	LA210	TA31551	PRINTER	4663	M103	\$1,021	HOSC
0288390	DEC	LA210	TA31871	PRINTER	TZ	2026	\$1,021	HOSC
0288408	DEC	LA210	TA31893	PRINTER	TZ	3003D	\$1,021	HOSC
0288423	DEC	LA210	TA31879	PRINTER	TZ	3009B	\$1,021	HOSC
0288426	DEC	LA210	TA31860	PRINTER	TZ	2013B	\$1,021	HOSC
0288433	DEC	LA210	TA31869	PRINTER	TZ	3026	\$1,021	HOSC
0266190	DEC	LA210		PRINTER	4746	144		HOSC
0266195	DEC	LA210		PRINTER	4746	144		HOSC
0264030	DEC	LA210AA	TA44809690	PRINTER, ADP	4610	1004	\$1,021	HOSC
0264134	DEC	LA210AA	TA37087	PRINTER, ADP	4610	2039	\$1,021	HOSC
0264143	DEC	LA210AA	TA37071	PRINTER, ADP	4610	1068	\$1,021	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST ARE.
0275819	DEC	LA50	TCK9893A	PRINTER, ADP	4810	2003	\$477 HOS
0546298	DEC	LA50	TC30830A	PRINTER, ADP	4610	2003	\$577 HOS
G030877	DEC	LA75CA	TY74355660	PRINTER, ADP	4810	2053	\$900 HOS
G081944	DEC	LG02DA	NU84588192	PRINTER, ADP	4810	2015	\$12,090 HOS
0859499	DEC	LJ 250	SD84112177	PRINTER	TZ	2105	\$1,182 HOS
0859494	DEC	LJ250A6	SD84112172	PRINTER, ADP	4810	2036	\$1,182 HOS
0859495	DEC	LJ250A6	SD84112178	PRINTER, ADP	4810	2003	\$1,182 HOS
0859496	DEC	LJ250A6	SD84112176	PRINTER, ADP	4810	2008A	\$1,182 HOS
0859501	DEC	LJ250A6	SD84112173	PRINTER, ADP	4810	3090	\$1,182 HOS
0859503	DEC	LJ250A6	SD84112169	PRINTER, ADP	4810	2006	\$1,182 HOS
0175627	DEC	LN03	HY 25981	PRINTER, ADP	4810	3090	\$4,995 HOS
0175630	DEC	LN03	HY 25781	PRINTER, ADP	4810	1001C	\$4,995 HOS
0175631	DEC	LN03	HY 25767	PRINTER, ADP	4610	2007	\$4,995 HOS
0175632	DEC	LN03	HY 25979	PRINTER, ADP	4810	2002	\$4,995 HOS
0186679	DEC	LN03	HY40095	PRINTER, ADP	4810	1082	\$4,995 HOS
0175623	DEC	LN03	HY25775	PRINTER	4650	201HAL	\$4,995 HOS
1148077	DEC	LN03	RG94093610	PRINTER	4650	LOBBY	\$2,637 HOS
0063936	DEC	LN03	PN74159757	PRINTER	4663	M200	\$2,836 HOS
0063938	DEC	LN03	PN74159876	PRINTER	4663	A109B	\$2,836 HOS
0063939	DEC	LN03	PN74159880	PRINTER	4663	A300	\$2,836 HOS
0064216	DEC	LN03	PN74359709	PRINTER	4663	A286	\$2,637 HOS
0064217	DEC	LN03	HY49664	PRINTER	4663	M203	\$2,637 HOS
0064218	DEC	LN03	R159706	PRINTER	4663	M201	\$2,637 HOS
0064220	DEC	LN03	RI38322	PRINTER	4663	A211	\$2,637 HOS
0064221	DEC	LN03	RI58032	PRINTER	4663	M200	\$2,637 HOS
0064222	DEC	LN03	RI53375	PRINTER	4663	A201C	\$2,637 HOS
0064223	DEC	LN03	RI59321	PRINTER	4663	A220A	\$2,637 HOS
0064224	DEC	LN03	HYA9858	PRINTER	4663	A286	\$2,637 HOS
0064225	DEC	LN03	RI59708	PRINTER	4663	A201B	\$2,637 HOS
0104523	DEC	LN03	HY71350881	PRINTER	4663	A286	\$3,147 HOS
0104524	DEC	LN03	HY71350577	PRINTER	4663	A286	\$3,147 HOS
0104525	DEC	LN03	HY71350884	PRINTER	4663	A010	\$3,147 HOS
0104526	DEC	LN03	HY71350882	PRINTER	4663	A209	\$3,147 HOS
0104527	DEC	LN03	HY71350578	PRINTER	4663	A273	\$3,147 HOS
0104528	DEC	LN03	HY71349693	PRINTER	4663	A286	\$3,147 HOS
0104529	DEC	LN03	HY71349855	PRINTER	4663	A286	\$3,147 HOS
0104530	DEC	LN03	HY71349687	PRINTER	4663	A286	\$3,147 HOS
0104531	DEC	LN03	HY71349692	PRINTER	4663	A280B	\$3,147 HOS
0104532	DEC	LN03	HY71350767	PRINTER	4663	A280B	\$3,147 HOS
0104533	DEC	LN03	HY70947372	PRINTER	4663	A286	\$3,147 HOS
0175620	DEC	LN03	HY26504	PRINTER	4663	A114	\$4,995 HOS
0175629	DEC	LN03	26152	PRINTER	4663	A286	\$4,995 HOS
0102779	DEC	LN03	PN72345484	PRINTER	TZ	NLOBBY	\$3,596 HOS
0175619	DEC	LN03	HY26527	PRINTER	TZ	2NDFLR	\$1,925 HOS
0175624	DEC	LN03 PLUS	HY26419	PRINTER	4663	A205	\$4,995 HOS
0104457	DEC	LN03-A2	HY-44120	PRINTER	4663	A105	\$3,196 HOS
0104457	DEC	LN033A2	44120	PRINTER, ADP	4810	3092	\$3,196 HOS
1282707	DEC	LN03A	R190958	PRINTER, ADP	4810	1003	\$4,995 HOS

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0176819	DEC	LN03AA	HY83630195	PRINTER, ADP	4610	1066	\$5,090 HOSC
1218720	DEC	LN03R	RG95012224	PRINTER, ADP	4610	1075A	\$3,915 HOSC
0064255	DEC	LN03R		PRINTER	4663	A201B	\$5,280 HOSC
0859480	DEC	LN03R	06611	PRINTER	4663	M201	\$3,833 HOSC
1146021	DEC	LN03R	RG12088	PRINTER	4663	A300	\$3,935 HOSC
1146022	DEC	LN03R	RG694111459	PRINTER	4663	A211	\$1,904 HOSC
1146027	DEC	LN03R	RG11535	PRINTER	4663	M201	\$2,837 HOSC
1146360	DEC	LN03R	RG13805	PRINTER	4663	M200	\$3,220 HOSC
0836757	DEC	LN03R-AA	AB83400QTC	PRINTER, ADP	4610	1075A	\$3,627 HOSC
0836759	DEC	LN03R-AA	AB83400QWI	PRINTER, ADP	4610	HALL	\$3,627 HOSC
0836760	DEC	LN03R-AA	AB83400QVG	PRINTER, ADP	4610	1001C	\$3,627 HOSC
0836761	DEC	LN03R-AA	AB83400QNG	PRINTER, ADP	4610	2037	\$3,627 HOSC
0836762	DEC	LN03R-AA	AB83400ROT	PRINTER, ADP	4610	2002	\$3,627 HOSC
0836763	DEC	LN03R-AA	AB83400QLW	PRINTER, ADP	4610	3096	\$3,627 HOSC
0836764	DEC	LN03R-AA	AB83400QXK	PRINTER, ADP	4610	1029	\$3,627 HOSC
0859484	DEC	LN03R-AA	6793	PRINTER, ADP	4610	1021	\$3,833 HOSC
0859485	DEC	LN03R-AA	6615	PRINTER, ADP	4610	2007	\$3,833 HOSC
0859486	DEC	LN03R-AA	6512	PRINTER, ADP	4610	1068	\$3,833 HOSC
0859490	DEC	LN03R-AA	6509	PRINTER, ADP	4610	3090	\$3,833 HOSC
0859493	DEC	LN03R-AA	6436	PRINTER, ADP	4610	2037	\$3,833 HOSC
0129154	DEC	LN03SA2	HY43542	PRINTER, ADP	4610	2042	\$4,995 HOSC
1262682	DEC	LN05-A2	CA20915755	PRINTER	4663	A109	\$2,183 HOSC
1396713	DEC	LN05-A2	CA33518375	PRINTER	4663	A124	\$2,543 HOSC
1222300	DEC	LN05-CA	CS20112599	PRINTER	4650	11	\$2,527 HOSC
1268505	DEC	LN05-CA	CA14809670	PRINTER	4663	A223	\$644 HOSC
1273074	DEC	LN05-CA	CA14810734	PRINTER	4663	M203	\$2,650 HOSC
1278896	DEC	LN05-CA	CA14811637	PRINTER	4663	M203	\$2,285 HOSC
1278897	DEC	LN05-CA	CA14811636	PRINTER	4663	M203	\$2,285 HOSC
1278898	DEC	LN05-CA	CA14811635	PRINTER	4663	M203	\$2,285 HOSC
1278899	DEC	LN05-CA	CA14811632	PRINTER	4663	M203	\$2,285 HOSC
1278900	DEC	LN05-CA	CA14407727	PRINTER	4663	M203	\$2,285 HOSC
1278901	DEC	LN05-CA	CA20112982	PRINTER	4663	M203	\$2,285 HOSC
1278902	DEC	LN05-CA	CA14407728	PRINTER	4663	M201	\$2,285 HOSC
1278903	DEC	LN05-CA	CA14811633	PRINTER	4663	M201	\$2,285 HOSC
1278904	DEC	LN05-CA	CA14811634	PRINTER	4663	M201	\$2,285 HOSC
1278905	DEC	LN05-CA	CA14811638	PRINTER	4663	A209	\$2,285 HOSC
1278906	DEC	LN05-CA	CA14811629	PRINTER	4663	A109A	\$2,285 HOSC
1278907	DEC	LN05-CA	CA14811625	PRINTER	4663	A209	\$2,285 HOSC
1278908	DEC	LN05-CA	CA14811621	PRINTER	4663	A300	\$2,285 HOSC
1278909	DEC	LN05-CA	CA14811630	PRINTER	4663	A211	\$2,285 HOSC
1278910	DEC	LN05-CA	CA14811626	PRINTER	4663	A211	\$2,285 HOSC
1278911	DEC	LN05-CA	CA14811622	PRINTER	4663	A209	\$2,285 HOSC
1278912	DEC	LN05-CA	CA14811631	PRINTER	4663	A209	\$2,285 HOSC
1278913	DEC	LN05-CA	CA14811627	PRINTER	4663	A209	\$2,285 HOSC
1278914	DEC	LN05-CA	CA14811628	PRINTER	4663	A209	\$2,285 HOSC
1278916	DEC	LN05-CA	CA14811624	PRINTER	4663	A302	\$2,285 HOSC
1278917	DEC	LN05-CA	CA14811585	PRINTER	4663	A211	\$2,285 HOSC
1396715	DEC	LN05-CA	CA33518413	PRINTER	4663	A109B	\$2,543 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST ARE/
1269514	DEC	LN05-CA	CA14811793	PRINTER	TZ	2025E	\$2,351 HOSI
1278915	DEC	LN05CA	CA14811623	PRINTER, ADP	4610	2002	\$2,285 HOSI
1223423	DEC	LP27-VA	NU06269	PRINTER	4663	A109	\$34,200 HOSI
1223089	DEC	LP27VA	NU04954	PRINTER	4663	A109	\$33,420 HOSI
1285981	DEC	LPS17A2	AB338031MR	PRINTER, ADP	4610	1020	\$3,849 HOSI
1283307	DEC	LPS32-B2	AB309003GU	PRINTER, ADP	4610	2015	\$17,739 HOSI
1013464	DEC	LPS40DA	R193302398	PRINTER, ADP	4610	1013	\$49,450 HOSI
1016904	DEC	MICROVAX 3500	AB93300NDX	COMPUTER	4663	A109	\$45,010 HOSI
0264086	DEC	NONE	AG0007966	TERMINAL SERVER	4610	1013	\$1,664 HOSI
1146381	DEC	NONE	KL42621	TERMINAL SERVER	4610	1013	\$1,664 HOSI
0621986	DEC	PC278A	WF26658	COMPUTER, MICRO	4610	2006	\$2,752 HOSI
G031362	DEC	PC380	KA81504009	COMPUTER	4663	A109	\$650 HOSI
G031363	DEC	PC380	KA75112803	COMPUTER	4663	A109	\$4,200 HOSI
G029727	DEC	PD6S	231731038	SPOOLER	4663	M200	\$516 HOSI
1401034	DEC	PE30A-AA	AB41301QB0	COMPUTER, MICRO	4610	2008A	\$9,480 HOSI
1401035	DEC	PE30A-AA	AB41301QAY	COMPUTER, MICRO	4610	2008A	\$9,480 HOSI
1401091	DEC	PE30A-AA	AB416011JV	COMPUTER, MICRO	4610	2012	\$9,480 HOSI
1401092	DEC	PE30A-AA	AB416011KX	COMPUTER, MICRO	4610	2006	\$9,480 HOSI
1401093	DEC	PE30A-AA	AB416011LZ	COMPUTER, MICRO	4610	2012	\$9,480 HOSI
1401094	DEC	PE30A-AA	AB416011IT	COMPUTER, MICRO	4610	2016	\$9,480 HOSI
1401095	DEC	PE30A-AA	AB416011HR	COMPUTER, MICRO	4610	2010	\$9,480 HOSI
1398042	DEC	PE30ABB	AB40601716	COMPUTER, MICRO	4610	3090	\$10,461 HOSI
1398043	DEC	PE30ABB	AB40601704	COMPUTER, MICRO	4610	3092	\$10,461 HOSI
1286935	DEC	PE40A-CA	AB32900LQA	COMPUTER, MICRO	4610	2006	\$17,355 HOSI
1269518	DEC	PM32B-MY	AB22804LXQ	COMPUTER	4650	11	\$9,956 HOSI
1269509	DEC	PM32B-MY	AB21200F2V	COMPUTER	TZ	3025C	\$9,956 HOSI
1402347	DEC	PM38A-AC	AB40400SKJ	COMPUTER, MICRO	4610	1019	\$10,700 HOSI
G081860	DEC	PrinterServer 40		SERVER	4746	114	HOSI
1016090	DEC	R215F-B2	WF93505723	EXPANSION CABINET	4663	B107	\$6,534 HOSI
0288490	DEC	RA80-AA	ZG43527916	DISK DRIVE	4663	A109	\$13,455 HOSI
0731090	DEC	RA80-AA	CG43226750	DISK DRIVE	4663	A105	\$2,000 HOSI
0731091	DEC	RA80-AA	CG42522399	DISK DRIVE	4663	A109	\$2,000 HOSI
0104554	DEC	RA81-AA	CX720H5047	DISK DRIVE	4663	A109	\$10,710 HOSI
0104555	DEC	RA81-AA	CX720H4615	DISK DRIVE	4663	A109	\$10,710 HOSI
0104556	DEC	RA81-AA	CX720H5077	DISK DRIVE	4663	A109	\$10,710 HOSI
0104557	DEC	RA81-AA	CX720H5090	DISK DRIVE	4663	A109	\$10,710 HOSI
0104558	DEC	RA81-AA	CX714H0023	DISK DRIVE	4663	A109	\$10,710 HOSI
0104559	DEC	RA81-AA	CX714F9858	DISK DRIVE	4663	A109	\$10,710 HOSI
0104560	DEC	RA81-AA	CX714F9898	DISK DRIVE	4663	A109	\$10,710 HOSI
0104561	DEC	RA81-AA	CX714F9818	DISK DRIVE	4663	A109	\$10,710 HOSI
0104562	DEC	RA81-AA	CX713F9278	DISK DRIVE	4663	A109	\$10,710 HOSI
0104563	DEC	RA81-AA	CX714H0008	DISK DRIVE	4663	A109	\$10,710 HOSI
0104564	DEC	RA81-AA	CX714H0024	DISK DRIVE	4663	A109	\$10,710 HOSI
0104565	DEC	RA81-AA	CX714F9896	DISK DRIVE	4663	A109	\$10,710 HOSI
0175656	DEC	RA81-AA	HK62539480	DISK DRIVE	4663	A109	\$10,667 HOSI
0175657	DEC	RA81-AA	HK62438561	DISK DRIVE	4663	A109	\$10,667 HOSI
0175658	DEC	RA81-AA	HK62137040	DISK DRIVE	4663	A109	\$10,667 HOSI
0175659	DEC	RA81-AA	HK62438717	DISK DRIVE	4663	A109	\$10,667 HOSI

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0175680	DEC	RA81-AA	HK62639827	DISK DRIVE	4663	A109	\$10,667 HOSC
0175681	DEC	RA81-AA	HK62639745	DISK DRIVE	4663	A109	\$10,667 HOSC
0175682	DEC	RA81-AA	HK62539468	DISK DRIVE	4663	A109	\$10,667 HOSC
0175683	DEC	RA81-AA	HK62539117	DISK DRIVE	4663	A109	\$10,667 HOSC
0175684	DEC	RA81-AA	HK62639552	DISK DRIVE	4663	A109	\$10,667 HOSC
0244587	DEC	RA81-AA	ZG42421670	DISK DRIVE	4663	A109	\$10,667 HOSC
0244588	DEC	RA81-AA	HK52014254	DISK DRIVE	4663	A109	\$10,667 HOSC
0244589	DEC	RA81-AA	HK52013828	DISK DRIVE	4663	A109	\$10,667 HOSC
0244595	DEC	RA81-AA	HK51311845	DISK DRIVE	4663	A109	\$10,667 HOSC
0244596	DEC	RA81-AA	HK51913385	DISK DRIVE	4663	A109	\$10,667 HOSC
0244597	DEC	RA81-AA	HK51412494	DISK DRIVE	4663	A109	\$10,667 HOSC
1223422	DEC	RA81-AA	NONE	DISK DRIVE	TZ	3018	\$27,840 HOSC
1223421	DEC	RA81AA	CX79211	DISK DRIVE	4663	A109	\$27,480 HOSC
1223427	DEC	RDD42-FA	5A21900685	CD-ROM DRIVE	4663	A223	\$755 HOSC
1223457	DEC	RRD40	SH92504741	DISK DRIVE UNIT	4610	30986	\$1,515 HOSC
1145560	DEC	RRD40	SH91904032	DISK DRIVE UNIT	4610	2006	\$1,515 HOSC
1016377	DEC	RRD40	92505723	CD-ROM DRIVE	4663	A109	\$1,200 HOSC
1081420	DEC	RRD40	SH04013370	CD-ROM DRIVE	4663	A109	\$1,221 HOSC
1081421	DEC	RRD40	SH04013226	CD-ROM DRIVE	4663	A109	\$1,221 HOSC
1145554	DEC	RRD40DA	SH91904086	DISK DRIVE UNIT	4610	2006	\$1,515 HOSC
1273165	DEC	RRD40DA	SH9250510886	DISK DRIVE UNIT	4610	2006	\$350 HOSC
1268511	DEC	RRD42DA	817089	DISK DRIVE UNIT	4610	2006	\$831 HOSC
1269517	DEC	RRD42DAA	813224	DISK DRIVE UNIT	4610	1027	\$755 HOSC
1398040	DEC	RRD43DA	1L40500098	DISK DRIVE UNIT	4610	3096	\$756 HOSC
1398041	DEC	RRD43DA	1L40500146	DISK DRIVE UNIT	4610	3092	\$756 HOSC
1399699	DEC	RRD43DA	1L4041693	DISK DRIVE UNIT	4610	2006	\$425 HOSC
1401851	DEC	RRD43DA	1L41801943	DISK DRIVE UNIT	4610	2006	\$500 HOSC
1269519	DEC	S212JXA	AB22600KWT	DISK DRIVE UNIT	4610	1027	\$4,440 HOSC
1279395	DEC	SA100-AA	SP24720215	TAPE STORAGE	4663	A109	\$17,160 HOSC
1441468	DEC	SA106-AA	CX35248503	INFO SERVER	4663	A109	\$0 HOSC
1016330	DEC	SA600-XA	CX00809440	DISK DRIVE	4663	A109	\$93,849 HOSC
1145641	DEC	SA650-XA	CX02001147	DISK DRIVE	4663	A109	\$146,567 HOSC
1396716	DEC	SA900-XA	CX35300349	DISK STORAGE	4663	A109	\$66,356 HOSC
1396717	DEC	SA900-XA	CX35300348	DISK STORAGE	4663	A109	\$66,356 HOSC
0104566	DEC	SC008	BT04789	STAR COUPLER	4663	A109	\$5,940 HOSC
0244598	DEC	SC008	FXA0911	STAR COUPLER	4663	A109	\$6,023 HOSC
0836775	DEC	Script		PRINTER	4746	144	HOSC
1146369	DEC	SEABC-BX-A01	WF05050831	INFOSERVER 100	4663	A109	\$8,741 HOSC
1401852	DEC	SEADBAS	AS41504332	SWITCHING UNIT, ELECTRO	4610	2006	\$2,000 HOSC
1285385	DEC	SZ03B-CA	AB21404YT0	DISK DRIVE	4663	A109	\$1,575 HOSC
1285386	DEC	SZ03B-CA	AB21500JKP	DISK DRIVE	4663	A109	\$1,575 HOSC
1401850	DEC	SZ03BBC	AB4170157P	EXPANSION UNIT	4610	2006	\$502 HOSC
1268400	DEC	SZ12B-BA	AB2270185L	STORAGE EXPANSION	TZ	2013C	\$4,554 HOSC
1153617	DEC	SZ12B-XRA	AB04303YCN	DISK DRIVE UNIT	4610	1027	\$1,000 HOSC
1269508	DEC	SZ12J-XA	AB22600L16	DISK EXPANSION	4650	11	\$4,440 HOSC
1402343	DEC	SZ12N-XA	AB40600T86	CHASSIS, ELECTRICAL-ELE	4610	1019	\$5,000 HOSC
1269498	DEC	SZ16X-EA	AB22404N50	STORAGE EXPANSION	4663	A109A	\$1,825 HOSC
1273097	DEC	SZ16X-EA	AB15201XAF	EXPANSION BOX	4663	M203	\$2,200 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0104567	DEC	TA81-AA	B173310952	TAPE DRIVE	4663	A109	\$22,680 HOSC
1145623	DEC	TK50	AB03804JA1	TAPE DRIVE	4663	A109	\$3,154 HOSC
1145628	DEC	TK502-GA	AB03804J3N	TRANSPORT. MAGNETIC TA	4610	1027	\$3,154 HOSC
1017533	DEC	TK502FA	AB85105EUU	TRANSPORT. MAGNETIC TA	4610	2002	\$3,528 HOSC
1017534	DEC	TK502FA	AB850043WR	TRANSPORT. MAGNETIC TA	4610	2003	\$3,845 HOSC
1016332	DEC	TK50Z-BA	AB01301XAN	TAPE DRIVE	TZ	2013C	\$4,000 HOSC
1145624	DEC	TK50Z-GA	AB03804KJM	TAPE DRIVE	4663	A105	\$3,154 HOSC
1145628	DEC	TK50Z-GA	AB03804J3N	TAPE DRIVE	4663	A223	\$3,154 HOSC
1154862	DEC	TLZ04DA	H1313211162	TRANSPORT. MAGNETIC TA	4610	2053	\$6,494 HOSC
1286932	DEC	TLZ06DA	3D33500521	TRANSPORT. MAGNETIC TA	4610	2006	\$1,410 HOSC
1269516	DEC	TRZ08AAA	2100D0041392	TRANSPORT. MAGNETIC TA	4610	1027	\$4,485 HOSC
0244593	DEC	TU78-AF	SP12356	TAPE DRIVE	4663	A109	\$37,960 HOSC
0244594	DEC	TU78-AF	SP13741	TAPE DRIVE	4663	A109	\$18,615 HOSC
0288478	DEC	TU78-AF	SP09886	TAPE DRIVE	4663	A109	\$1,664 HOSC
0288479	DEC	TU78-AF	SP13172	TAPE DRIVE	4663	A109	\$40,300 HOSC
0440836	DEC	TU78-BF	SP06521	TAPE DRIVE	4663	A109	\$21,675 HOSC
0440837	DEC	TU78-BF	SP06079	TAPE DRIVE	4663	A109	\$21,675 HOSC
1223090	DEC	TU81AA	SP01226	TAPE DRIVE	4663	A109	\$29,400 HOSC
0288487	DEC	TUR80-DC	SPH4328	TAPE DRIVE	4663	A109	\$8,525 HOSC
0731093	DEC	TUR80-DC	SPH1676	TAPE DRIVE	4663	A109	\$5,500 HOSC
0731092	DEC	TUR80-DC	SPF6949	TAPE DRIVE	TZ	3018	\$5,500 HOSC
0008884	DEC	VAX 3100		WORKSTATION	4746	137	HOSC
1282148	DEC	VAX 6000/510	GA302H2283	COMPUTER	4663	A109	\$196,710 HOSC
1223093	DEC	VAX11/730XA	NI01225	COMPUTER	TZ	3018	\$24,420 HOSC
G084555	DEC	VAXSTATION 350	AB92202FR8	COMPUTER	4663	A109	\$44,710 HOSC
1016903	DEC	VR160	FF893406343A1	MONITOR	4663	A109	\$1,200 HOSC
G084556	DEC	VR160	FF893406343A1	MONITOR	4663	A109	\$1,500 HOSC
1016375	DEC	VR160-DA	93415345	MONITOR	4663	A105	\$1,000 HOSC
1018365	DEC	VR160-DA	93415344	MONITOR	4663	A109A	\$650 HOSC
1145629	DEC	VR160-DA	92313705	MONITOR	4663	A105	\$4,600 HOSC
0859522	DEC	VR160DA	0H83606115	MONITOR	4663	A105	\$2,500 HOSC
1017531	DEC	VR160DA	0H84708225	MONITOR	4663	M101	\$5,000 HOSC
1083368	DEC	VR201	KGGG00360	DISPLAY UNIT	4610	2002	\$350 HOSC
G031360	DEC	VR201	SA54177	TERMINAL	4663	A109	\$650 HOSC
G031361	DEC	VR201	SA54897	MONITOR	4663	A109	\$650 HOSC
0414478	DEC	VR201A	TA32472	MONITOR	4610	1043	\$244 HOSC
1083367	DEC	VR201A	HK29520	DISPLAY UNIT	4610	2006	\$800 HOSC
1016083	DEC	VR201C	TAD9252	DISPLAY UNIT	4610	2006	\$450 HOSC
1016084	DEC	VR201C	TAD9255	DISPLAY UNIT	4610	1036	\$450 HOSC
0264350	DEC	VR201C	KG54733635	MONITOR	4663	A105	\$600 HOSC
0265284	DEC	VR240	Y5F066315	MONITOR	4663	A286	\$954 HOSC
0265285	DEC	VR240	Y5F066388	MONITOR	4663	A286	\$954 HOSC
0266047	DEC	VR240	Y4E040893	MONITOR	4663	A285	\$954 HOSC
0266233	DEC	VR240	Y6F097416	MONITOR	4663	A284	\$907 HOSC
0266246	DEC	VR240	Y6F093908	MONITOR	4663	A209	\$907 HOSC
0266264	DEC	VR240	Y6F093909	MONITOR	4663	M201	\$907 HOSC
0732506	DEC	VR240	Y4E040984	MONITOR	4663	M203	\$968 HOSC
0733013	DEC	VR240	Y4F050500	MONITOR	4663	A107	\$2,859 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1272904	DEC	VR240	Y5F066431	MONITOR	4663	A109B	\$907 HOSC
1272905	DEC	VR240	Y5F066380	MONITOR	4663	A109B	\$907 HOSC
1272906	DEC	VR240	Y5F066282	MONITOR	4663	A109B	\$907 HOSC
1272907	DEC	VR240	Y6F097404	MONITOR	4663	A109B	\$907 HOSC
1272908	DEC	VR240	Y5F066277	MONITOR	4663	A109B	\$907 HOSC
1272909	DEC	VR240	Y5F066429	MONITOR	4663	A109B	\$907 HOSC
1272910	DEC	VR240	Y5F066420	MONITOR	4663	A109B	\$907 HOSC
1272911	DEC	VR240	Y5F066386	MONITOR	4663	A209	\$907 HOSC
1272914	DEC	VR240	Y5F066306	MONITOR	4663	M201	\$907 HOSC
1272915	DEC	VR240	Y5F066273	MONITOR	4663	M101	\$907 HOSC
1272916	DEC	VR240	Y5F066435	MONITOR	4663	A209	\$907 HOSC
1272917	DEC	VR240	Y5F066286	MONITOR	4663	M103	\$800 HOSC
1272919	DEC	VR240	Y5F066393	MONITOR	4663	A209	\$800 HOSC
1272920	DEC	VR240	Y5F066278	MONITOR	4663	M201	\$800 HOSC
1272925	DEC	VR240	Y5F066805	MONITOR	4663	A114	\$800 HOSC
1272926	DEC	VR240	Y5F066387	MONITOR	4663	A109B	\$800 HOSC
1272927	DEC	VR240	Y5F066284	MONITOR	4663	A114	\$800 HOSC
1272928	DEC	VR240	Y5F066308	MONITOR	4663	M104	\$907 HOSC
1272930	DEC	VR240	Y5F066434	MONITOR	4663	M103	\$907 HOSC
1272931	DEC	VR240	Y5F066274	MONITOR	4663	M103	\$907 HOSC
1272932	DEC	VR240	Y5F066121	MONITOR	4663	M103	\$800 HOSC
1272933	DEC	VR240	Y5F066802	MONITOR	4663	M103	\$907 HOSC
1272934	DEC	VR240	Y5F066400	MONITOR	4663	M103	\$907 HOSC
1272935	DEC	VR240	Y5F066396	MONITOR	4663	M103	\$800 HOSC
1272936	DEC	VR240	NONE	MONITOR	4663	A124	\$800 HOSC
1272937	DEC	VR240	Y5F066810	MONITOR	4663	M103	\$907 HOSC
1272938	DEC	VR240	AB43300ZK3	MONITOR	4663	M103	\$800 HOSC
1272939	DEC	VR240	Y5F066470	MONITOR	4663	M103	\$907 HOSC
1272940	DEC	VR240	Y5F066312	MONITOR	4663	M103	\$907 HOSC
1272941	DEC	VR240	Y5F066373	MONITOR	4663	M200	\$850 HOSC
1272942	DEC	VR240	Y5F066806	MONITOR	4663	M200	\$800 HOSC
1272943	DEC	VR240	Y5F066433	MONITOR	4663	M200	\$800 HOSC
1272945	DEC	VR240	Y5F066796	MONITOR	4663	A101	\$800 HOSC
1272946	DEC	VR240	Y5F066428	MONITOR	4663	A264	\$800 HOSC
1272947	DEC	VR240	Y5F066404	MONITOR	4663	A283	\$800 HOSC
1272948	DEC	VR240	Y4F050646	MONITOR	4663	A286	\$800 HOSC
1272949	DEC	VR240	Y5F066387	MONITOR	4663	A286	\$800 HOSC
1272950	DEC	VR240	Y5F066303	MONITOR	4663	A286	\$800 HOSC
1272951	DEC	VR240	Y5F066803	MONITOR	4663	A286	\$800 HOSC
1272952	DEC	VR240	Y5F066454	MONITOR	4663	A286	\$800 HOSC
1272953	DEC	VR240	Y6F096413	MONITOR	4663	A222	\$800 HOSC
1272954	DEC	VR240	Y5F066313	MONITOR	4663	A222	\$800 HOSC
1272955	DEC	VR240	Y5F066427	MONITOR	4663	A220	\$800 HOSC
1272956	DEC	VR240	Y5F066437	MONITOR	4663	A211	\$800 HOSC
1272957	DEC	VR240	Y5F066432	MONITOR	4663	A211	\$800 HOSC
1272958	DEC	VR240	Y5F066458	MONITOR	4663	A211	\$800 HOSC
1272959	DEC	VR240	Y5F066425	MONITOR	4663	A211	\$800 HOSC
1272960	DEC	VR240	Y5F066423	MONITOR	4663	A211	\$800 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1272961	DEC	VR240	Y5F066456	MONITOR	4663	A211	\$600 HOSC
1272962	DEC	VR240	Y5F066445	MONITOR	4663	A211	\$600 HOSC
1272963	DEC	VR240	Y5F066628	MONITOR	4663	A211	\$600 HOSC
1272964	DEC	VR240	Y5F066444	MONITOR	4663	A211	\$600 HOSC
1272965	DEC	VR240	Y5F066413	MONITOR	4663	A211	\$600 HOSC
1272966	DEC	VR240	Y5F066383	MONITOR	4663	A211	\$600 HOSC
1272967	DEC	VR240	Y5F066390	MONITOR	4663	A209	\$600 HOSC
1272968	DEC	VR240	Y5F066411	MONITOR	4663	A209	\$600 HOSC
1272969	DEC	VR240	Y5F066511	MONITOR	4663	A209	\$600 HOSC
1272970	DEC	VR240	Y5F066391	MONITOR	4663	A209	\$600 HOSC
1272971	DEC	VR240	Y5F066412	MONITOR	4663	A209	\$600 HOSC
1272972	DEC	VR240	Y5F066466	MONITOR	4663	A209	\$600 HOSC
1272973	DEC	VR240	Y4F049525	MONITOR	4663	A209	\$600 HOSC
1272974	DEC	VR240	Y5F066377	MONITOR	4663	A209	\$600 HOSC
1272975	DEC	VR240	Y5F066370	MONITOR	4663	A209	\$600 HOSC
1272976	DEC	VR240	Y5F066372	MONITOR	4663	A209	\$600 HOSC
1272977	DEC	VR240	Y5F066375	MONITOR	4663	A209	\$600 HOSC
1272978	DEC	VR240	Y5F066389	MONITOR	4663	A209	\$600 HOSC
1272979	DEC	VR240	Y5F066402	MONITOR	4663	A209	\$600 HOSC
1272981	DEC	VR240	Y5F066410	MONITOR	4663	A209	\$600 HOSC
1272982	DEC	VR240	Y5F066376	MONITOR	4663	A209	\$600 HOSC
1272983	DEC	VR240	Y5F066382	MONITOR	4663	A209	\$600 HOSC
1272984	DEC	VR240	Y5F066378	MONITOR	4663	A209	\$600 HOSC
1272986	DEC	VR240	Y5F066379	MONITOR	4663	A209	\$600 HOSC
1272987	DEC	VR240	Y5F066381	MONITOR	4663	A209	\$600 HOSC
1272988	DEC	VR240	Y5F066403	MONITOR	4663	A209	\$600 HOSC
1272989	DEC	VR240	Y4E048398	MONITOR	4663	A209	\$600 HOSC
1272990	DEC	VR240	Y5F066311	MONITOR	4663	A201B	\$600 HOSC
1272991	DEC	VR240	NONE	MONITOR	4663	A201B	\$600 HOSC
1272992	DEC	VR240	Y5F066322	MONITOR	4663	A201B	\$600 HOSC
1272993	DEC	VR240	Y5F066808	MONITOR	4663	A201B	\$600 HOSC
1272994	DEC	VR240	Y5F066401	MONITOR	4663	A201B	\$600 HOSC
1272996	DEC	VR240	Y5F066438	MONITOR	4663	M201	\$600 HOSC
1272997	DEC	VR240	Y5F066439	MONITOR	4663	M201	\$600 HOSC
1272998	DEC	VR240	Y5F066417	MONITOR	4663	M201	\$600 HOSC
1272999	DEC	VR240	Y4F049502	MONITOR	4663	M201	\$600 HOSC
1273000	DEC	VR240	Y5F066416	MONITOR	4663	M201	\$600 HOSC
1273002	DEC	VR240	Y4D036510	MONITOR	4663	M201	\$600 HOSC
1273003	DEC	VR240	Y4F049517	MONITOR	4663	M201	\$600 HOSC
1273004	DEC	VR240	Y5F066405	MONITOR	4663	M103	\$600 HOSC
1273005	DEC	VR240	Y5F066414	MONITOR	4663	M201	\$600 HOSC
1273006	DEC	VR240	Y5F066408	MONITOR	4663	M201	\$600 HOSC
1273007	DEC	VR240	Y5F066440	MONITOR	4663	M201	\$600 HOSC
1273011	DEC	VR240	Y4F051031	MONITOR	4663	M203	\$600 HOSC
1273012	DEC	VR240	Y4F049516	MONITOR	4663	M203	\$600 HOSC
1273013	DEC	VR240	Y5F066457	MONITOR	4663	M203	\$600 HOSC
1273014	DEC	VR240	Y4F049510	MONITOR	4663	M203	\$600 HOSC
1273015	DEC	VR240	Y4E048397	MONITOR	4663	M203	\$600 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1273016	DEC	VR240	Y4F049495	MONITOR	4663	M101	\$600 HOSC
1273017	DEC	VR240	Y5F066415	MONITOR	4663	M203	\$600 HOSC
1273022	DEC	VR240	Y4F050645	MONITOR	4663	M203	\$600 HOSC
1273023	DEC	VR240	Y4F050094	MONITOR	4663	M203	\$600 HOSC
1273024	DEC	VR240	Y4F040964	MONITOR	4663	M203	\$600 HOSC
1273025	DEC	VR240	Y4D036575	MONITOR	4663	M203	\$600 HOSC
1273026	DEC	VR240	Y4F049494	MONITOR	4663	M203	\$600 HOSC
1273027	DEC	VR240	Y5F066809	MONITOR	4663	M203	\$600 HOSC
0102406	DEC	VR241	HY649B3597	DISPLAY UNIT	4610	2059C	\$520 HOSC
G029005	DEC	VR241	Y4K058954	MONITOR	4650	210-8N	\$445 HOSC
0102409	DEC	VR241	4Y649B3583	MONITOR	4663	M101	\$520 HOSC
0177873	DEC	VR241	Y6LB3577	MONITOR	4663	M101	\$600 HOSC
0265286	DEC	VR241	Y5F066392	MONITOR	4663	A124	\$954 HOSC
0265287	DEC	VR241	Y5H073957	MONITOR	4663	A286	\$954 HOSC
0266051	DEC	VR241	Y5G069475	MONITOR	4663	M101	\$954 HOSC
0266052	DEC	VR241	Y5G069497	MONITOR	4663	M203	\$954 HOSC
0266054	DEC	VR241	Y4B021620	MONITOR	4663	A205	\$954 HOSC
0266231	DEC	VR241	Y6F097422	MONITOR	4663	A286	\$907 HOSC
0266232	DEC	VR241	Y6F094100	MONITOR	4663	A220A	\$907 HOSC
0266234	DEC	VR241	Y6F094423	MONITOR	4663	A222	\$907 HOSC
0266236	DEC	VR241	Y6F093906	MONITOR	4663	A286	\$907 HOSC
0266238	DEC	VR241	Y6F093904	MONITOR	4663	A286	\$907 HOSC
0266239	DEC	VR241	Y6F097419	MONITOR	4663	A286	\$907 HOSC
0266240	DEC	VR241	Y6F093915	MONITOR	4663	M203	\$907 HOSC
0266241	DEC	VR241	Y6F093913	MONITOR	4663	M103	\$907 HOSC
0266242	DEC	VR241	Y6F093916	MONITOR	4663	M203	\$907 HOSC
0266243	DEC	VR241	Y6F093912	MONITOR	4663	M101	\$907 HOSC
0266245	DEC	VR241	Y6F09310	MONITOR	4663	M101	\$907 HOSC
0266248	DEC	VR241	Y6F093899	MONITOR	4663	M101	\$907 HOSC
0266249	DEC	VR241	Y6F093893	MONITOR	4663	M101	\$907 HOSC
0266250	DEC	VR241	Y6F093889	MONITOR	4663	A286	\$907 HOSC
0266252	DEC	VR241	Y6F093880	MONITOR	4663	A124	\$907 HOSC
0266253	DEC	VR241	Y6F093900	MONITOR	4663	M203	\$907 HOSC
0266254	DEC	VR241	Y6F093885	MONITOR	4663	A285	\$907 HOSC
0266255	DEC	VR241	Y6F093895	MONITOR	4663	M203	\$907 HOSC
0266259	DEC	VR241	Y6F093874	MONITOR	4663	A286	\$907 HOSC
0266268	DEC	VR241	Y6F093892	MONITOR	4663	M101	\$907 HOSC
0266270	DEC	VR241	Y6F093887	MONITOR	4663	M101	\$907 HOSC
0266277	DEC	VR241	Y6F09301	MONITOR	4663	A286	\$907 HOSC
0266278	DEC	VR241	Y6F093905	MONITOR	4663	M101	\$907 HOSC
0267745	DEC	VR241	Y31006065	MONITOR	4663	M101	\$637 HOSC
0679514	DEC	VR241	Y4C025491	MONITOR	4663	M103	\$779 HOSC
0679559	DEC	VR241	Y3H003919	MONITOR	4663	M103	\$861 HOSC
0731923	DEC	VR241	Y4D035385	MONITOR	4663	M101	\$2,205 HOSC
0731990	DEC	VR241	Y3G000845	MONITOR	4663	M103	\$617 HOSC
0732482	DEC	VR241	041671	MONITOR	4663	M101	\$1,005 HOSC
0733008	DEC	VR241	049600	MONITOR	4663	M103	\$2,895 HOSC
0733009	DEC	VR241	Y4F050396	MONITOR	4663	M101	\$2,859 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0733010	DEC	VR241	Y4F050392	MONITOR	4663	M101	\$2,859 HOSC
0733761	DEC	VR241	Y5F026243	MONITOR	4663	M103	\$500 HOSC
1083362	DEC	VR241	Y4F040860	MONITOR	4663	M101	\$600 HOSC
1272902	DEC	VR241	Y5F066408	MONITOR	4663	M101	\$907 HOSC
1272912	DEC	VR241	Y5F066436	MONITOR	4663	A124	\$810 HOSC
1272913	DEC	VR241	Y5F066807	MONITOR	4663	A124	\$907 HOSC
1272918	DEC	VR241	Y4F050098	MONITOR	4663	M101	\$907 HOSC
1272921	DEC	VR241	Y5F066409	MONITOR	4663	A124	\$600 HOSC
1272922	DEC	VR241	Y5H073951	MONITOR	4663	M101	\$600 HOSC
1272923	DEC	VR241	Y5F066793	MONITOR	4663	A124	\$907 HOSC
1272924	DEC	VR241	Y5F066804	MONITOR	4663	A124	\$907 HOSC
1272929	DEC	VR241	Y5F066357	MONITOR	4663	M101	\$600 HOSC
1272944	DEC	VR241	Y5F066798	MONITOR	4663	A105	\$600 HOSC
1272965	DEC	VR241	Y5F066385	MONITOR	4663	A124	\$600 HOSC
1273001	DEC	VR241	Y5F066419	MONITOR	4663	A124	\$600 HOSC
1273008	DEC	VR241	Y5F066799	MONITOR	4663	M203	\$600 HOSC
1273009	DEC	VR241	Y4F049545	MONITOR	4663	M203	\$600 HOSC
1273010	DEC	VR241	Y4F049522	MONITOR	4663	M203	\$600 HOSC
1273018	DEC	VR241	Y4F050097	MONITOR	4663	M203	\$600 HOSC
1273019	DEC	VR241	Y4F049542	MONITOR	4663	M203	\$600 HOSC
1273020	DEC	VR241	Y5F066396	MONITOR	4663	M101	\$600 HOSC
1273021	DEC	VR241	Y5F066797	MONITOR	4663	M101	\$600 HOSC
1273028	DEC	VR241	Y5F066281	MONITOR	4663	A124	\$600 HOSC
G080233	DEC	VR241	Y5F066680	MONITOR	4663	M203	\$907 HOSC
0266237	DEC	VR241	Y6F093917	MONITOR	TZ	2000A	\$907 HOSC
0266258	DEC	VR241	Y6F093894	MONITOR	TZ	3007G	\$600 HOSC
0679567	DEC	VR241-A	Y3H003906	MONITOR	4663	M101	\$661 HOSC
1272571	DEC	VR241-A	Y5F066304	MONITOR	4663	A109	\$600 HOSC
1272572	DEC	VR241-A	Y5F066384	MONITOR	4663	M101	\$600 HOSC
1272573	DEC	VR241-A	Y5F066426	MONITOR	4663	M101	\$907 HOSC
1272574	DEC	VR241-A	Y5F065552	MONITOR	4663	M101	\$907 HOSC
1272900	DEC	VR241-A	Y6F093917	MONITOR	4663	M101	\$907 HOSC
1272901	DEC	VR241-A	Y5F066430	MONITOR	4663	A300	\$907 HOSC
1272903	DEC	VR241-A	Y5F066407	MONITOR	4663	A109	\$600 HOSC
0733538	DEC	VR241-AA	Y3H003895	MONITOR	4663	M101	\$661 HOSC
0187132	DEC	VR241A	Y5H073953	DISPLAY UNIT	4610	1036	\$689 HOSC
0265275	DEC	VR241A	Y5F063747	DISPLAY UNIT	4610	1043	\$650 HOSC
0266256	DEC	VR241A	Y6F094367	DISPLAY UNIT	4610	1050A	\$907 HOSC
1272916	DEC	VR241A	Y5F066435	DISPLAY UNIT	4610	1027	\$600 HOSC
0620658	DEC	VR241A	Y3K009688	MONITOR	4650	209-6S	\$617 HOSC
1282505	DEC	VR241A	Y5F066795	MONITOR	4650	208-6S	\$600 HOSC
0265289	DEC	VR241A	Y5G069412	NONITOR	TZ	2016	\$954 HOSC
0177858	DEC	VR241AA	Y6LB3777	DISPLAY UNIT	4610	2073	\$600 HOSC
0177871	DEC	VR241AA	Y6LB3575	DISPLAY UNIT	4610	2052	\$600 HOSC
0177872	DEC	VR241AA	Y6LB3590	DISPLAY UNIT	4610	3090D	\$600 HOSC
0177874	DEC	VR241AA	Y6LB3602	DISPLAY UNIT	4610	1068	\$600 HOSC
0177875	DEC	VR241AA	Y6LB3600	DISPLAY UNIT	4610	2059C	\$600 HOSC
0177877	DEC	VR241AA	Y6LB3593	DISPLAY UNIT	4610	1051	\$600 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0268251	DEC	VR240	Y8F093882	MONITOR	4663	A211	\$907 HOSC
1398976	DEC	VR260	AB83701K54	DISPLAY UNIT	4610	2035	\$325 HOSC
1017529	DEC	VR260	AB85101PWF	MONITOR	4663	M201	\$1,200 HOSC
1148024	DEC	VR260	AB61000009	MONITOR	4663	A105	\$225 HOSC
1017537	DEC	VR260-AA	AB8500671J	MONITOR	4663	A109	\$1,200 HOSC
0263964	DEC	VR260AA	AB61400EF7	DISPLAY UNIT	4610	2003	\$800 HOSC
0263973	DEC	VR260AA	AB61100ZN1	DISPLAY UNIT	4610	2003	\$700 HOSC
0858149	DEC	VR260AA	AB74102778	DISPLAY UNIT	4610	2053	\$4,007 HOSC
1017392	DEC	VR260AA	AB84202HB0	DISPLAY UNIT	4610	2003	\$700 HOSC
1400050	DEC	VR290	FF59293	MONITOR	TZ	2013C	\$1,200 HOSC
0102341	DEC	VR290-DA	FF09312	MONITOR	4650	11	\$4,000 HOSC
1282676	DEC	VR290-DA	FF30654	MONITOR	4650	11	\$1,500 HOSC
1222395	DEC	VR290-DA	FF44032	MONITOR	4663	M201	\$790 HOSC
1287883	DEC	VR290-DA	FF06065	MONITOR	4663	A109	\$1,200 HOSC
1012933	DEC	VR290DA	FF92259296	DISPLAY UNIT	4610	2032	\$1,200 HOSC
1012934	DEC	VR290DA	FF91957999	DISPLAY UNIT	4610	2003	\$1,200 HOSC
1012935	DEC	VR290DA	FF91958001	DISPLAY UNIT	4610	2053	\$1,200 HOSC
1219171	DEC	VR290DA	FF35032	DISPLAY UNIT	4610	1005	\$790 HOSC
1219175	DEC	VR290DA	FF35026	DISPLAY UNIT	4610	2003	\$790 HOSC
1268792	DEC	VR290DA	FF35158	DISPLAY UNIT	4610	2039	\$415 HOSC
1081422	DEC	VR297	SY94504879	MONITOR	4663	A124	\$2,500 HOSC
1287918	DEC	VR299-DA	FF10452654	MONITOR	4650	11	\$605 HOSC
1287920	DEC	VR299-DA	FF94817444	MONITOR	4650	11	\$605 HOSC
1283338	DEC	VR299-DA	FF01027044	MONITOR	4663	A109A	\$975 HOSC
1287917	DEC	VR299-DA	FF93708939A1	MONITOR	4663	A109B	\$605 HOSC
1287919	DEC	VR299-DA	FF04446841	MONITOR	TZ	3017B	\$605 HOSC
1145553	DEC	VR299DA	FF02638345	DISPLAY UNIT	4610	1021	\$1,600 HOSC
1145556	DEC	VR299DA	FF02638340	DISPLAY UNIT	4610	1020	\$1,600 HOSC
1145563	DEC	VR299DA	FF02235318	DISPLAY UNIT	4610	2039	\$1,600 HOSC
1145816	DEC	VR299DA	FF04145918	DISPLAY UNIT	4610	2037	\$9,504 HOSC
1155453	DEC	VR319	HK03104087	DISPLAY UNIT	4610	2033	\$1,195 HOSC
1146952	DEC	VR319-CA	HK1233857	MONITOR	4663	A109	\$1,015 HOSC
1146953	DEC	VR319-DA	HK12814622	MONITOR	4663	A109	\$1,015 HOSC
1146955	DEC	VR319-DA	HK12013348	MONITOR	4663	A109	\$1,015 HOSC
1146956	DEC	VR319-DA	HK12313855	MONITOR	4663	A109	\$1,015 HOSC
1282117	DEC	VR319-DA	HK24534294	MONITOR	4663	A109A	\$500 HOSC
1282118	DEC	VR319-DA	HK24534289	MONITOR	4663	A109B	\$500 HOSC
1282119	DEC	VR319-DA	HK24834721	MONITOR	4663	A109B	\$500 HOSC
1282120	DEC	VR319-DA	HK24534290	MONITOR	4663	A109B	\$500 HOSC
1282121	DEC	VR319-DA	HK24834719	MONITOR	4663	A205	\$500 HOSC
1282122	DEC	VR319-DA	HK24534292	MONITOR	4663	A220A	\$500 HOSC
1146954	DEC	VR319DA	HK12814816	DISPLAY UNIT	4610	2005	\$678 HOSC
1153403	DEC	VR319DA	13015200	DISPLAY UNIT	4610	2008	\$650 HOSC
1283306	DEC	VR319DA	HK23632216	DISPLAY UNIT	4610	2005	\$1,200 HOSC
1286934	DEC	VR319DA	HK32540466	DISPLAY UNIT	4610	2012	\$1,500 HOSC
1399692	DEC	VR319DA	HK32038915	DISPLAY UNIT	4610	2003	\$900 HOSC
1399693	DEC	VR319DA	HK32540446	DISPLAY UNIT	4610	2032	\$900 HOSC
1399694	DEC	VR319DA	HK32340025	DISPLAY UNIT	4610	1006	\$900 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1399695	DEC	VR319DA	HK32440272	DISPLAY UNIT	4610	2016	\$900 HOSC
1401036	DEC	VR319DA	HK31738304	DISPLAY UNIT	4610	2008A	\$1,015 HOSC
1401037	DEC	VR319DA	HK31738306	DISPLAY UNIT	4610	2008A	\$1,015 HOSC
1401083	DEC	VR319DA	HK25135540	DISPLAY UNIT	4610	2012	\$1,015 HOSC
1401084	DEC	VR319DA	HK25135538	DISPLAY UNIT	4610	2010	\$1,015 HOSC
1401085	DEC	VR319DA	HK25135541	DISPLAY UNIT	4610	2016	\$1,015 HOSC
1401086	DEC	VR319DA	HK25135543	DISPLAY UNIT	4610	2006	\$1,015 HOSC
1401087	DEC	VR319DA	HK25135539	DISPLAY UNIT	4610	2006	\$1,015 HOSC
1400294	DEC	VR320	FF32004690	DISPLAY UNIT	4610	3090	\$750 HOSC
1400296	DEC	VR320	FF31804484	DISPLAY UNIT	4610	3090	\$750 HOSC
1400297	DEC	VR320	FF32004699	DISPLAY UNIT	4610	3092	\$750 HOSC
1400298	DEC	VR320	FF31504229	DISPLAY UNIT	4610	3090	\$750 HOSC
1222183	DEC	VR320-DA	HK20906687	MONITOR	4663	A109B	\$2,900 HOSC
1222184	DEC	VR320-DA	HK20906688	MONITOR	4663	A109B	\$2,900 HOSC
1268401	DEC	VR320-DA	HK22310911	MONITOR	4663	A109A	\$2,600 HOSC
1273061	DEC	VR320-DA	HK23714795	MONITOR	4663	A124	\$2,900 HOSC
1282110	DEC	VR320-DA	HK22611449	MONITOR	4663	A220A	\$500 HOSC
1282111	DEC	VR320-DA	HK22611564	MONITOR	4663	A109B	\$500 HOSC
1282112	DEC	VR320-DA	HK22611451	MONITOR	4663	A220A	\$500 HOSC
1268402	DEC	VR320DA	HK22310909	MONITOR	TZ	2022C	\$2,600 HOSC
1401039	DEC	VRC21HA	4K41106942	DISPLAY UNIT	4610	2008A	\$1,611 HOSC
1401061	DEC	VRC21HA	4K40400581	DISPLAY UNIT	4610	2012	\$1,611 HOSC
1401062	DEC	VRC21HA	4K41006651	DISPLAY UNIT	4610	2012	\$1,611 HOSC
1401068	DEC	VRC21HA	4K40400579	DISPLAY UNIT	4610	2010	\$1,611 HOSC
1401069	DEC	VRC21HA	4K40400580	DISPLAY UNIT	4610	2034	\$1,611 HOSC
1401090	DEC	VRC21HA	4K40400536	DISPLAY UNIT	4610	2008A	\$1,611 HOSC
1285387	DEC	VRM17-AA	5B21102640	MONITOR	4663	A109	\$990 HOSC
1285388	DEC	VRM17-AA	5B21102642	MONITOR	4663	A109	\$990 HOSC
1268482	DEC	VRT19-BA	11126310	MONITOR	TZ	3025C	\$1,200 HOSC
1269481	DEC	VRT19-HA	IS221128143	MONITOR	4663	A286	\$5,000 HOSC
1269482	DEC	VRT19-HA	IS22129622	MONITOR	4663	A286	\$5,000 HOSC
1282115	DEC	VRT19-HA	24652971	MONITOR	4663	M203	\$2,000 HOSC
1282116	DEC	VRT19-HA	24652972	MONITOR	4663	A286	\$2,000 HOSC
1269483	DEC	VRT19-HA	IS22128623	MONITOR	TZ	3003I	\$5,000 HOSC
1150503	DEC	VRT19DA	303166	DISPLAY UNIT	4610	3096	\$1,900 HOSC
1268777	DEC	VRT19HA	IS23139228	DISPLAY UNIT	4610	2006	\$2,600 HOSC
1285631	DEC	VRT19HA	IS23140621	DISPLAY UNIT	4610	1037	\$2,300 HOSC
1286933	DEC	VRT19HA	33176697	DISPLAY UNIT	4610	2006	\$1,615 HOSC
1399489	DEC	VRT19HA	IS31264540	DISPLAY UNIT	4610	2016	\$1,611 HOSC
1402348	DEC	VRT19HA	33986512	DISPLAY UNIT	4610	1019	\$2,500 HOSC
1145988	DEC	VRZ99DA	FF02639404	DISPLAY UNIT	4610	3092	\$1,600 HOSC
0288314	DEC	VS240	AB51800C45	BASE UNIT	4650	209-6S	\$1,445 HOSC
1278715	DEC	VS240	AB5180008U4	BASE UNIT	4650	208-6S	\$1,445 HOSC
G029006	DEC	VS240	AB44403IM3	BASE UNIT	4650	210-6N	\$1,000 HOSC
0102828	DEC	VS240	AB71400X88	BASE UNIT	4663	M101	\$1,496 HOSC
0175718	DEC	VS240	AB42102DK3	BASE UNIT	4663	A105	\$1,338 HOSC
0264018	DEC	VS240	AB43200KT3	BASE UNIT	4663	M101	\$954 HOSC
0264036	DEC	VS240	AB50300VLI	BASE UNIT	4663	M101	\$954 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0264352	DEC	VS240	AB61403BP6	BASE UNIT	4663	A105	\$8,527 HOSC
0264613	DEC	VS240	AB45100PTZ	BASE UNIT	4663	A209	\$1,300 HOSC
0264614	DEC	VS240	AB44601M76	BASE UNIT	4663	M103	\$954 HOSC
0264615	DEC	VS240	AB50300V26	BASE UNIT	4663	M201	\$1,300 HOSC
0264616	DEC	VS240	AB44602307	BASE UNIT	4663	M101	\$954 HOSC
0266112	DEC	VS240	AB624025M5	BASE UNIT	4663	A286	\$1,000 HOSC
0266113	DEC	VS240	AB624026M2	BASE UNIT	4663	A286	\$1,300 HOSC
0266114	DEC	VS240	AB62402615	BASE UNIT	4663	A286	\$1,000 HOSC
0266115	DEC	VS240	AB26202GG5	BASE UNIT	4663	A286	\$1,000 HOSC
0266116	DEC	VS240	AB624027V3	BASE UNIT	4663	A286	\$1,000 HOSC
0266117	DEC	VS240	AB62401QB1	BASE UNIT	4663	M203	\$1,000 HOSC
0266118	DEC	VS240	AB62402645	BASE UNIT	4663	A286	\$1,300 HOSC
0266119	DEC	VS240	AB62401XP7	BASE UNIT	4663	M201	\$1,300 HOSC
0266120	DEC	VS240	AB624025L7	BASE UNIT	4663	A286	\$1,000 HOSC
0266121	DEC	VS240	AB62401NV3	BASE UNIT	4663	A209	\$1,000 HOSC
0266122	DEC	VS240	AB62402690	BASE UNIT	4663	M101	\$1,000 HOSC
0266124	DEC	VS240	AB62402637	BASE UNIT	4663	M101	\$1,000 HOSC
0266125	DEC	VS240	AB624025Z1	BASE UNIT	4663	M201	\$1,300 HOSC
0266126	DEC	VS240	AB62401095	BASE UNIT	4663	M101	\$1,000 HOSC
0266132	DEC	VS240	AB62402831	BASE UNIT	4663	M103	\$1,000 HOSC
0266133	DEC	VS240	AB62401N26	BASE UNIT	4663	M101	\$1,000 HOSC
0266134	DEC	VS240	AB62402866	BASE UNIT	4663	M103	\$1,000 HOSC
0266139	DEC	VS240	AB62402706	BASE UNIT	4663	M201	\$1,000 HOSC
0266140	DEC	VS240	AB62401X09	BASE UNIT	4663	M101	\$1,000 HOSC
0266142	DEC	VS240	AB624010A3	BASE UNIT	4663	A211	\$1,300 HOSC
0266144	DEC	VS240	AB62401XL4	BASE UNIT	4663	M103	\$1,000 HOSC
0266145	DEC	VS240	AB62402157	BASE UNIT	4663	A285	\$1,000 HOSC
0266146	DEC	VS240	AB62401007	BASE UNIT	4663	M103	\$1,000 HOSC
0266148	DEC	VS240	AB624026T7	BASE UNIT	4663	M103	\$1,000 HOSC
0266150	DEC	VS240	AB62402777	BASE UNIT	4663	M101	\$1,000 HOSC
0266151	DEC	VS240	AB62402165	BASE UNIT	4663	M103	\$1,000 HOSC
0266152	DEC	VS240	AB62401T89	BASE UNIT	4663	M101	\$1,000 HOSC
0266153	DEC	VS240	AB62401TA5	BASE UNIT	4663	M101	\$1,000 HOSC
0266154	DEC	VS240	AB62402602	BASE UNIT	4663	A284	\$1,000 HOSC
0266155	DEC	VS240	AB62402512	BASE UNIT	4663	A109B	\$1,000 HOSC
0266156	DEC	VS240	AB62401867	BASE UNIT	4663	A300	\$1,000 HOSC
0266157	DEC	VS240	AB624401XK6	BASE UNIT	4663	A286	\$1,000 HOSC
0266158	DEC	VS240	AB62603S67	BASE UNIT	4663	M101	\$1,000 HOSC
0285722	DEC	VS240	AB42601GM3	BASE UNIT	4663	A105	\$2,495 HOSC
0285724	DEC	VS240	AB42601974	BASE UNIT	4663	M101	\$2,495 HOSC
0288001	DEC	VS240	AB51800AQ6	BASE UNIT	4663	M203	\$1,300 HOSC
0288002	DEC	VS240	AB518001C6	BASE UNIT	4663	A109B	\$2,045 HOSC
0288003	DEC	VS240	AB51800EM2	BASE UNIT	4663	A286	\$2,045 HOSC
0288004	DEC	VS240	AB51800T79	BASE UNIT	4663	M203	\$1,300 HOSC
0288005	DEC	VS240	AB51800E09	BASE UNIT	4663	A105	\$2,045 HOSC
0288006	DEC	VS240	AB51800BQ3	BASE UNIT	4663	A109B	\$2,045 HOSC
0288007	DEC	VS240	AB51800PS1	BASE UNIT	4663	M201	\$1,300 HOSC
0288008	DEC	VS240	AB51800104	BASE UNIT	4663	A109	\$2,045 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0288009	DEC	VS240	AB518001B8	BASE UNIT	4663	M103	\$2,045 HOSC
0288010	DEC	VS240	AB51800TJ7	BASE UNIT	4663	M101	\$2,045 HOSC
0288011	DEC	VS240	AB51800B41	BASE UNIT	4663	M201	\$1,300 HOSC
0288012	DEC	VS240	AB51800ER3	BASE UNIT	4663	A209	\$1,300 HOSC
0288013	DEC	VS240	AB51800AU9	BASE UNIT	4663	A209	\$1,300 HOSC
0288014	DEC	VS240	AB51800BP5	BASE UNIT	4663	M101	\$1,300 HOSC
0288015	DEC	VS240	AB51800C04	BASE UNIT	4663	M203	\$1,300 HOSC
0288016	DEC	VS240	AB51800TK5	BASE UNIT	4663	A209	\$1,300 HOSC
0288017	DEC	VS240	AB51800PU8	BASE UNIT	4663	M101	\$2,045 HOSC
0288018	DEC	VS240	AB51800T19	BASE UNIT	4663	M201	\$1,300 HOSC
0288019	DEC	VS240	AB51800T95	BASE UNIT	4663	A209	\$1,300 HOSC
0288020	DEC	VS240	AB51800TA3	BASE UNIT	4663	A209	\$1,300 HOSC
0288021	DEC	VS240	AB51800EP7	BASE UNIT	4663	A209	\$1,300 HOSC
0288022	DEC	VS240	AB51800CE2	BASE UNIT	4663	A109B	\$2,045 HOSC
0288023	DEC	VS240	AB51800T28	BASE UNIT	4663	A109	\$1,300 HOSC
0288025	DEC	VS240	AB518000V4	BASE UNIT	4663	A109B	\$2,045 HOSC
0288028	DEC	VS240	AB51800LS2	BASE UNIT	4663	A211	\$2,045 HOSC
0288029	DEC	VS240	AB51800HN2	BASE UNIT	4663	A283	\$1,300 HOSC
0288030	DEC	VS240	AB51800H47	BASE UNIT	4663	M203	\$1,300 HOSC
0288031	DEC	VS240	AB51800KX6	BASE UNIT	4663	A211	\$1,300 HOSC
0288032	DEC	VS240	AB51800H55	BASE UNIT	4663	A109B	\$2,045 HOSC
0288037	DEC	VS240	AB51800HP9	BASE UNIT	4663	A209	\$1,300 HOSC
0288038	DEC	VS240	AB51800LU9	BASE UNIT	4663	A209	\$1,300 HOSC
0288039	DEC	VS240	AB51800H71	BASE UNIT	4663	M101	\$1,300 HOSC
0288040	DEC	VS240	AB51800JC7	BASE UNIT	4663	M200	\$2,045 HOSC
0288042	DEC	VS240	AB518008X9	BASE UNIT	4663	A209	\$2,045 HOSC
0288043	DEC	VS240	AB51800KH5	BASE UNIT	4663	A261	\$1,300 HOSC
0288045	DEC	VS240	AB51800LN1	BASE UNIT	4663	A105	\$2,045 HOSC
0288046	DEC	VS240	AB51800JB9	BASE UNIT	4663	M103	\$2,045 HOSC
0288047	DEC	VS240	AB51800KW8	BASE UNIT	4663	A209	\$1,300 HOSC
0288048	DEC	VS240	AB51800AP8	BASE UNIT	4663	M201	\$1,300 HOSC
0288049	DEC	VS240	AB51800KZ2	BASE UNIT	4663	M101	\$2,045 HOSC
0288301	DEC	VS240	AB51800KY4	BASE UNIT	4663	A114	\$2,045 HOSC
0288302	DEC	VS240	AB51800KM6	BASE UNIT	4663	A209	\$1,300 HOSC
0288303	DEC	VS240	AB518005A8	BASE UNIT	4663	A209	\$1,300 HOSC
0288304	DEC	VS240	AB51800KL8	BASE UNIT	4663	A209	\$2,045 HOSC
0288305	DEC	VS240	AB51800KJ1	BASE UNIT	4663	A209	\$1,300 HOSC
0288306	DEC	VS240	AB51800LP8	BASE UNIT	4663	A209	\$1,300 HOSC
0288307	DEC	VS240	AB51800AR4	BASE UNIT	4663	M101	\$2,045 HOSC
0288308	DEC	VS240	AB51800HM4	BASE UNIT	4663	M101	\$1,300 HOSC
0288309	DEC	VS240	AB51800HL8	BASE UNIT	4663	M203	\$1,300 HOSC
0288310	DEC	VS240	AB51800KG7	BASE UNIT	4663	A286	\$1,300 HOSC
0288311	DEC	VS240	AB51800EZ3	BASE UNIT	4663	A211	\$1,300 HOSC
0288312	DEC	VS240	AB51800LQ6	BASE UNIT	4663	A211	\$1,300 HOSC
0288313	DEC	VS240	AB51800IH5	BASE UNIT	4663	A286	\$2,045 HOSC
0288315	DEC	VS240	AB51800EY5	BASE UNIT	4663	A211	\$1,300 HOSC
0288316	DEC	VS240	AB518008I6	BASE UNIT	4663	M203	\$2,045 HOSC
0288317	DEC	VS240	AB51800J82	BASE UNIT	4663	M101	\$2,045 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0288318	DEC	VS240	AB51800EU8	BASE UNIT	4663	A211	\$1,300 HOSC
0288319	DEC	VS240	AB51800G23	BASE UNIT	4663	A209	\$1,300 HOSC
0288320	DEC	VS240	AB51800UI6	BASE UNIT	4663	M201	\$2,045 HOSC
0288321	DEC	VS240	AB51800D21	BASE UNIT	4663	A211	\$1,300 HOSC
0288322	DEC	VS240	AB51900702	BASE UNIT	4663	A220	\$2,045 HOSC
0288323	DEC	VS240	AB519006P3	BASE UNIT	4663	A201B	\$1,300 HOSC
0288324	DEC	VS240	AB51900FA6	BASE UNIT	4663	M203	\$2,045 HOSC
0288325	DEC	VS240	AB51900L75	BASE UNIT	4663	A209	\$1,300 HOSC
0288326	DEC	VS240	AB51900KW2	BASE UNIT	4663	M203	\$1,300 HOSC
0288327	DEC	VS240	AB51900846	BASE UNIT	4663	A201B	\$1,300 HOSC
0288328	DEC	VS240	AB51900F55	BASE UNIT	4663	A209	\$1,300 HOSC
0288329	DEC	VS240	AB51900F71	BASE UNIT	4663	A286	\$2,045 HOSC
0288330	DEC	VS240	AB51900ID2	BASE UNIT	4663	A201B	\$1,300 HOSC
0288331	DEC	VS240	AB51900F39	BASE UNIT	4663	A284	\$1,300 HOSC
0288332	DEC	VS240	AB51900C96	BASE UNIT	4663	M104	\$2,045 HOSC
0288333	DEC	VS240	AB51900605	BASE UNIT	4663	M101	\$2,045 HOSC
0288334	DEC	VS240	AB519006H8	BASE UNIT	4663	M101	\$2,045 HOSC
0288335	DEC	VS240	AB51900IF9	BASE UNIT	4663	A109B	\$2,045 HOSC
0288336	DEC	VS240	AB519006N7	BASE UNIT	4663	M103	\$2,045 HOSC
0288337	DEC	VS240	AB51900F47	BASE UNIT	4663	M103	\$2,045 HOSC
0288339	DEC	VS240	AB519001L4	BASE UNIT	4663	A222	\$2,045 HOSC
0288340	DEC	VS240	AB519006M9	BASE UNIT	4663	M201	\$2,045 HOSC
0288341	DEC	VS240	AB519001M2	BASE UNIT	4663	M101	\$2,045 HOSC
0288342	DEC	VS240	AB51900Z1	BASE UNIT	4663	M101	\$2,045 HOSC
0288343	DEC	VS240	AB51900109	BASE UNIT	4663	A201B	\$1,300 HOSC
0288344	DEC	VS240	AB51900F04	BASE UNIT	4663	A273	\$2,045 HOSC
0288346	DEC	VS240	AB51900IG7	BASE UNIT	4663	M203	\$2,045 HOSC
0288347	DEC	VS240	AB51900F12	BASE UNIT	4663	A201B	\$1,300 HOSC
0288348	DEC	VS240	AB519006K2	BASE UNIT	4663	M103	\$2,045 HOSC
0288349	DEC	VS240	AB519001K6	BASE UNIT	4663	M103	\$2,045 HOSC
0288350	DEC	VS240	AB51900C53	BASE UNIT	4663	A211	\$1,300 HOSC
0288351	DEC	VS240	AB51900I13	BASE UNIT	4663	A220	\$1,300 HOSC
0288352	DEC	VS240	AB51900HH8	BASE UNIT	4663	M103	\$2,045 HOSC
0288354	DEC	VS240	AB51900684	BASE UNIT	4663	M200	\$2,045 HOSC
0288355	DEC	VS240	AB519007M6	BASE UNIT	4663	A205	\$2,045 HOSC
0288356	DEC	VS240	AB5190068L	BASE UNIT	4663	M200	\$2,045 HOSC
0288357	DEC	VS240	AB51900F98	BASE UNIT	4663	A105	\$2,045 HOSC
0288358	DEC	VS240	AB51800G31	BASE UNIT	4663	A109B	\$2,045 HOSC
0288359	DEC	VS240	AB51800ES1	BASE UNIT	4663	A209	\$1,300 HOSC
0288363	DEC	VS240	AB51800QP4	BASE UNIT	4663	M203	\$1,300 HOSC
0288364	DEC	VS240	AB51800B07	BASE UNIT	4663	A286	\$1,300 HOSC
0288365	DEC	VS240	AB51800R31	BASE UNIT	4663	A286	\$1,300 HOSC
0288366	DEC	VS240	AB51800T52	BASE UNIT	4663	A286	\$2,045 HOSC
0288367	DEC	VS240	AB518008V2	BASE UNIT	4663	M101	\$2,045 HOSC
0288368	DEC	VS240	AB519001P7	BASE UNIT	4663	M103	\$1,300 HOSC
0288369	DEC	VS240	AB51800T87	BASE UNIT	4663	A101	\$2,045 HOSC
0288370	DEC	VS240	AB51800SX4	BASE UNIT	4663	A105	\$1,300 HOSC
0288371	DEC	VS240	AB51800R82	BASE UNIT	4663	A211	\$1,300 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0288372	DEC	VS240	AB51800R58	BASE UNIT	4663	A211	\$1,300 HOSC
0731094	DEC	VS240	AB44309A25	BASE UNIT	4663	M101	\$2,980 HOSC
0731095	DEC	VS240	AB44309A08	BASE UNIT	4663	M201	\$1,300 HOSC
0731096	DEC	VS240	AB554494W7	BASE UNIT	4663	A211	\$1,300 HOSC
0731097	DEC	VS240	AB443700H23	BASE UNIT	4663	M203	\$1,300 HOSC
0731098	DEC	VS240	AB443700M06	BASE UNIT	4663	M203	\$1,300 HOSC
0731099	DEC	VS240	AB443700PA2	BASE UNIT	4663	M203	\$2,980 HOSC
0732484	DEC	VS240	AB437014K2	BASE UNIT	4663	M101	\$1,200 HOSC
0732501	DEC	VS240	AB43801UR4	BASE UNIT	4663	A105	\$1,200 HOSC
0732507	DEC	VS240	AB43700R85	BASE UNIT	4663	M200	\$1,200 HOSC
0733125	DEC	VS240	AB43801EJ1	BASE UNIT	4663	M101	\$2,980 HOSC
0733129	DEC	VS240	AB93801721	BASE UNIT	4663	M203	\$1,300 HOSC
0733130	DEC	VS240	AB43802N04	BASE UNIT	4663	M201	\$1,300 HOSC
0733131	DEC	VS240	AB43803082	BASE UNIT	4663	M101	\$2,980 HOSC
0733133	DEC	VS240	AB43802UU4	BASE UNIT	4663	M203	\$1,300 HOSC
0733134	DEC	VS240	AB43802NX8	BASE UNIT	4663	M101	\$2,980 HOSC
0733135	DEC	VS240	AB43801749	BASE UNIT	4663	M203	\$2,980 HOSC
0733136	DEC	VS240	AB43803204	BASE UNIT	4663	M203	\$2,980 HOSC
0733139	DEC	VS240	AB43803171	BASE UNIT	4663	M203	\$1,300 HOSC
0733140	DEC	VS240	AB43801K93	BASE UNIT	4663	M203	\$2,980 HOSC
0733141	DEC	VS240	AB43801IH5	BASE UNIT	4663	A209	\$1,300 HOSC
0733143	DEC	VS240	AB43801667	BASE UNIT	4663	M103	\$2,980 HOSC
0733144	DEC	VS240	AB438019N8	BASE UNIT	4663	M101	\$2,980 HOSC
0733145	DEC	VS240	AB43801A56	BASE UNIT	4663	M101	\$2,980 HOSC
0733146	DEC	VS240	AB438030A9	BASE UNIT	4663	M103	\$2,980 HOSC
0733148	DEC	VS240	AB438015U6	BASE UNIT	4663	M203	\$1,300 HOSC
0733149	DEC	VS240	AB438039K6	BASE UNIT	4663	M203	\$1,300 HOSC
0733150	DEC	VS240	AB43801HP2	BASE UNIT	4663	A107	\$2,980 HOSC
0733152	DEC	VS240	AB43801906	BASE UNIT	4663	M101	\$2,980 HOSC
0733153	DEC	VS240	AB43801507	BASE UNIT	4663	M200	\$2,980 HOSC
0733154	DEC	VS240	AB43801AT4	BASE UNIT	4663	M201	\$1,300 HOSC
0733155	DEC	VS240	AB43801FV7	BASE UNIT	4663	A286	\$2,980 HOSC
0733156	DEC	VS240	AB43801FU9	BASE UNIT	4663	M103	\$2,980 HOSC
0733336	DEC	VS240	AB44100832	BASE UNIT	4663	M101	\$2,126 HOSC
0733338	DEC	VS240	AB41900HC7	BASE UNIT	4663	A105	\$2,126 HOSC
0733339	DEC	VS240	AB44100114	BASE UNIT	4663	M101	\$1,300 HOSC
0733341	DEC	VS240	AB44101EM8	BASE UNIT	4663	A222	\$1,300 HOSC
0858006	DEC	VS240	AB43803953	BASE UNIT	4663	M101	\$2,980 HOSC
1017223	DEC	VS240	AB519007N4	BASE UNIT	4663	A109	\$2,045 HOSC
1153626	DEC	VS240	AB433002K3	BASE UNIT	4663	A105	\$1,400 HOSC
1278731	DEC	VS240	AB448022V3	BASE UNIT	4663	M203	\$2,980 HOSC
0288035	DEC	VS240	AB51800093	BASE UNIT	TZ	2000B	\$2,045 HOSC
0288036	DEC	VS240	AB518000W2	BASE UNIT	TZ	3005G	\$2,045 HOSC
0288362	DEC	VS240	AB51800KI3	BASE UNIT	TZ	3007C	\$2,045 HOSC
0733126	DEC	VS240	AB43802HY2	BASE UNIT	TZ	3007G	\$2,980 HOSC
0288026	DEC	VS240-B	AB51800H63	BASE UNIT	4663	M101	\$2,045 HOSC
1272980	DEC	VS240-B	AB51800JD5	BASE UNIT	4663	A209	\$2,045 HOSC
1016081	DEC	VS240A	AB35100MU9	BOX, POWER SUPPLY/CON	4610	1029	\$1,285 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0731057	DEC	VS240A	AB43200MI9	BASE UNIT	4663	A222	\$2,556 HOSC
0177879	DEC	VS240AA	AB65005Q28	BOX. POWER SUPPLY/CON	4610	1051	\$1,307 HOSC
0177882	DEC	VS240AA	AB65004GT8	BOX. POWER SUPPLY/CON	4610	2052	\$1,307 HOSC
0177883	DEC	VS240AA	AB65004JA4	BOX. POWER SUPPLY/CON	4610	3090D	\$1,307 HOSC
0177884	DEC	VS240AA	AB65004G78	BOX. POWER SUPPLY/CON	4610	30987	\$1,307 HOSC
0177885	DEC	VS240AA	AB65005PA4	BOX. POWER SUPPLY/CON	4610	1068	\$1,307 HOSC
0177887	DEC	VS240AA	AB65004GU6	BOX. POWER SUPPLY/CON	4610	2059C	\$1,307 HOSC
0177896	DEC	VS240AA	AB65004JD9	BOX. POWER SUPPLY/CON	4610	2073	\$1,307 HOSC
0264068	DEC	VS240B	AB51800EJ8	BOX. POWER SUPPLY/CON	4610	1936	\$568 HOSC
0264129	DEC	VS240B	AB51800BU6	BOX. POWER SUPPLY/CON	4610	1043	\$1,257 HOSC
1083366	DEC	VS240B	AB44601V15	BOX. POWER SUPPLY/CON	4610	2008	\$954 HOSC
0264121	DEC	VS240B	AB451000U3	BASE UNIT	TZ	2016	\$954 HOSC
0266135	DEC	VS240B	AB62401XM2	BASE UNIT	TZ	2000A	\$400 HOSC
0266136	DEC	VS240B	AB2402858	BASE UNIT	TZ	3007G	\$1,000 HOSC
0264062	DEC	VS241	AB53200205	BASE UNIT	4663	M101	\$2,045 HOSC
0266130	DEC	VS240	AB62401NW1	BASE UNIT	4663	M101	\$1,000 HOSC
1282875	DEC	VS305AA	AB83807EME	COMPUTER	4650	11	\$18,593 HOSC
1017530	DEC	VS31S-B2	AB91002J6V	COMPUTER	4663	A109A	\$15,196 HOSC
1145626	DEC	VS31S-B2	KA038D0221	COMPUTER	4663	M103	\$13,953 HOSC
1081432	DEC	VS31S-B2		COMPUTER	TZ	3025F	\$2,000 HOSC
0057973	DEC	VS31V-AZ	AB83602TZH	COMPUTER	4663	A105	\$0 HOSC
0060705	DEC	VS31V-B2	AB90904A7P	COMPUTER	4663	A105	\$0 HOSC
1287794	DEC	VS355-AA	AB92500LD8	COMPUTER	4663	A109	\$5,730 HOSC
1017981	DEC	VS410CA	AB850002G3	COMPUTER, MICRO	4610	2003	\$7,489 HOSC
0859505	DEC	VS410GA	AB85000YVU	COMPUTER, MICRO	4610	2003	\$7,275 HOSC
0859512	DEC	VS410GA	AB85000YVV	COMPUTER, MICRO	4610	2039	\$7,275 HOSC
0859513	DEC	VS410GA	AB85000Y22	COMPUTER, MICRO	4610	2032	\$7,275 HOSC
0859514	DEC	VS410GA	AB85000YS0	COMPUTER, MICRO	4610	1005	\$7,275 HOSC
1145558	DEC	VS42A-B10	AB01801PP8	COMPUTER, MICRO	4610	1020	\$11,698 HOSC
1012936	DEC	VS42A-BF	WS423182	COMPUTER	4663	M201	\$18,330 HOSC
1145555	DEC	VS42A-BW	AB01801PDN	COMPUTER, MICRO	4610	1021	\$11,698 HOSC
1012927	DEC	VS42A-BW	AB9250606V	COMPUTER	4650	11	\$19,508 HOSC
1012931	DEC	VS42A-BW	AB925055UE	COMPUTER	4650	11	\$17,240 HOSC
1016376	DEC	VS42A-BW	AB00601KG7	COMPUTER	4663	A109B	\$9,677 HOSC
1018366	DEC	VS42A-BW	AB94602YTZ	COMPUTER	TZ	2013C	\$6,227 HOSC
1012929	DEC	VS42ABW	AB92504T10	COMPUTER, MICRO	4610	2037	\$19,508 HOSC
1012932	DEC	VS42ABW	AB92405MER	COMPUTER, MICRO	4610	2016	\$14,758 HOSC
1145630	DEC	VS42S-JF	AB02600IMN	COMPUTER	4650	11	\$12,098 HOSC
1285630	DEC	VS46K-AD	AB22000VXS	COMPUTER, MICRO	4610	1037	\$5,990 HOSC
1269484	DEC	VS46K-AD	AB229026DB	COMPUTER	4663	A286	\$15,400 HOSC
1269485	DEC	VS46K-AD	AB229026C9	COMPUTER	4663	A286	\$13,972 HOSC
1269486	DEC	VS46K-AD	AB229026ED	COMPUTER	4663	A286	\$13,972 HOSC
1285389	DEC	VS48K-AC	AB32500XME	COMPUTER	4663	A109	\$2,235 HOSC
1268776	DEC	VS48K-CA	AB24003PBS	COMPUTER, MICRO	4610	1004	\$3,086 HOSC
1283153	DEC	VS48K-CA	AB23203VJV	COMPUTER	4663	M203	\$6,380 HOSC
1285390	DEC	VS48K-CA	AB2200C2VL	COMPUTER	4663	A109	\$2,235 HOSC
1282113	DEC	VS49K-CA	AB30104AJP	COMPUTER	4663	M203	\$11,051 HOSC
1282114	DEC	VS49K-CA	AB30104AP1	COMPUTER	TZ	3003I	\$11,051 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0540729	DEC	VT100	ABQ6089	TERMINAL	4663	A109	\$1,500 HOSC
0405807	DEC	VT100AA	ABW4409	TERMINAL	TZ	2011B	\$1,653 HOSC
0175866	DEC	VT220	TA59054	TERMINAL DATA PROCESS	4610	2004	\$650 HOSC
0104548	DEC	VT220	TA713F1529	TERMINAL	4663	A109	\$600 HOSC
0104549	DEC	VT220	TA727F6979	TERMINAL	4663	A109	\$600 HOSC
0175889	DEC	VT220	TA85094	TERMINAL	4663	A109	\$795 HOSC
0175892	DEC	VT220	TA85177	TERMINAL	4663	M103	\$795 HOSC
0243847	DEC	VT220	TA35462	TERMINAL	4663	A105	\$634 HOSC
0243852	DEC	VT220	TA35370	TERMINAL	4663	M103	\$634 HOSC
G030879	DEC	VT220	HK74003251	TERMINAL	4663	A109	\$450 HOSC
0175883	DEC	VT220		TERMINAL	4746	114	HOSC
0243848	DEC	VT220-A2	TA35450	TERMINAL	4663	A109	\$634 HOSC
0243851	DEC	VT220-A2	TA35368	TERMINAL	4663	A109	\$634 HOSC
0243853	DEC	VT220-A2	TA35398	TERMINAL	4663	A109	\$634 HOSC
0243854	DEC	VT220-A2	TA35463	TERMINAL	4663	A109	\$634 HOSC
G030880	DEC	VT220D2	HK74003256	TERMINAL DATA PROCESS	4610	1042	\$450 HOSC
0266137	DEC	VT240	AB62402661	TERMINAL DATA PROCESS	4610	1058B	\$1,000 HOSC
0288050	DEC	VT240	AB51800LR4	BASE UNIT	4663	A114	\$2,045 HOSC
1282043	DEC	VT240	AB51800JE3	BASE UNIT	4663	A209	\$1,445 HOSC
0264069	DEC	VT241	AB44601Y0Z	TERMINAL DATA PROCESS	4610	SAFE	\$954 HOSC
0266265	DEC	VT241	Y6F093932	TERMINAL DATA PROCESS	4610	1029	\$907 HOSC
0266269	DEC	VT241	Y6F093919	TERMINAL DATA PROCESS	4610	1058B	\$907 HOSC
0266247	DEC	VT241	Y6F093903	MONITOR	4663	A261	\$907 HOSC
0733142	DEC	VT241AA	AB43801AR8	TERMINAL DATA PROCESS	4610	1027	\$2,980 HOSC
0676533	DEC	VT241NA	20694	TERMINAL DATA PROCESS	4610	2059C	\$2,116 HOSC
0836096	DEC	VT320	TA825C9828	TERMINAL	4650	210-6N	\$345 HOSC
0836095	DEC	VT320	TA825C9861	TERMINAL	4663	A105	\$345 HOSC
1013478	DEC	VT320A3	TA82920	DISPLAY UNIT	4610	1013	\$450 HOSC
0836093	DEC	VT320C2	TA825C9846	DISPLAY UNIT	4610	1066	\$345 HOSC
1017356	DEC	VT320C2	HK84803708	DISPLAY UNIT	4610	2059C	\$395 HOSC
0063909	DEC	VT340	TA73909595	TERMINAL	4493	100	\$1,984 HOSC
0063922	DEC	VT340	TA73909640	TERMINAL	4493	105	\$1,984 HOSC
0859320	DEC	VT340	TA8289758	DISPLAY UNIT	4610	3090	\$2,047 HOSC
0859321	DEC	VT340	TA82829967	DISPLAY UNIT	4610	2035	\$2,047 HOSC
0859322	DEC	VT340	TA82829984	DISPLAY UNIT	4610	2039	\$2,047 HOSC
0859323	DEC	VT340	TA82829955	DISPLAY UNIT	4610	1004	\$2,047 HOSC
0859324	DEC	VT340	TA82830020	DISPLAY UNIT	4610	2053	\$2,047 HOSC
0859325	DEC	VT340	TA82829997	DISPLAY UNIT	4610	2039	\$2,047 HOSC
0859326	DEC	VT340	TA82829971	DISPLAY UNIT	4610	2037	\$2,047 HOSC
0859328	DEC	VT340	TA82829998	DISPLAY UNIT	4610	1008	\$2,047 HOSC
0859459	DEC	VT340	TA82830008	DISPLAY UNIT	4610	1004	\$2,047 HOSC
0859460	DEC	VT340	TA82830225	DISPLAY UNIT	4610	1001B	\$2,047 HOSC
0859470	DEC	VT340	TA82830262	DISPLAY UNIT	4610	3092	\$2,047 HOSC
0859472	DEC	VT340	TA82830073	DISPLAY UNIT	4610	2037	\$2,047 HOSC
0859474	DEC	VT340	TA82830041	DISPLAY UNIT	4610	1065A	\$2,047 HOSC
0859475	DEC	VT340	TA82830061	DISPLAY UNIT	4610	1004	\$2,047 HOSC
0859467	DEC	VT340	TA82830084	TERMINAL	4650	11	\$2,047 HOSC
0063888	DEC	VT340	TA73909705	TERMINAL	4663	M101	\$1,984 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0063889	DEC	VT340	TA73909677	TERMINAL	4663	A286	\$1,984 HOSC
0063893	DEC	VT340	TA73909555	TERMINAL	4663	M101	\$1,984 HOSC
0063894	DEC	VT340	TA73909717	TERMINAL	4663	M101	\$1,984 HOSC
0063895	DEC	VT340	TA73909892	TERMINAL	4663	M103	\$1,984 HOSC
0063896	DEC	VT340	TA73910046	TERMINAL	4663	M101	\$1,984 HOSC
0063902	DEC	VT340	TA73909520	TERMINAL	4663	A109B	\$1,984 HOSC
0063903	DEC	VT340	TA73909999	TERMINAL	4663	A286	\$1,984 HOSC
0063904	DEC	VT340	TA73909522	TERMINAL	4663	M101	\$1,984 HOSC
0063905	DEC	VT340	TA73909112	TERMINAL	4663	A105	\$1,984 HOSC
0063908	DEC	VT340	TA7390935	TERMINAL	4663	M103	\$1,984 HOSC
0063910	DEC	VT340	TA73909655	TERMINAL	4663	M103	\$1,984 HOSC
0063911	DEC	VT340	TA73909539	TERMINAL	4663	M103	\$1,984 HOSC
0063912	DEC	VT340	TA73909451	TERMINAL	4663	A222	\$1,984 HOSC
0063913	DEC	VT340	TA73808132	TERMINAL	4663	A109	\$1,984 HOSC
0063915	DEC	VT340	TA73909652	TERMINAL	4663	A109B	\$1,984 HOSC
0063916	DEC	VT340	TA73909667	TERMINAL	4663	M101	\$1,984 HOSC
0063917	DEC	VT340	TA73908921	TERMINAL	4663	A109	\$1,984 HOSC
0063920	DEC	VT340	TA73909978	TERMINAL	4663	A220A	\$1,984 HOSC
0063921	DEC	VT340	TA73909140	TERMINAL	4663	A109	\$1,984 HOSC
0063923	DEC	VT340	TA73909718	TERMINAL	4663	M101	\$1,984 HOSC
0063925	DEC	VT340	TA73909541	TERMINAL	4663	A109	\$1,984 HOSC
0063931	DEC	VT340	TA73909528	TERMINAL	4663	A109B	\$1,984 HOSC
0063932	DEC	VT340	TA73909714	TERMINAL	4663	A216	\$1,984 HOSC
0063933	DEC	VT340	TA73909882	TERMINAL	4663	M103	\$1,984 HOSC
0063934	DEC	VT340	TA73909672	TERMINAL	4663	M103	\$1,984 HOSC
0063935	DEC	VT340	TA73910022	TERMINAL	4663	M101	\$1,984 HOSC
0063940	DEC	VT340	TA73909706	TERMINAL	4663	M101	\$1,984 HOSC
0063942	DEC	VT340	TA73909908	TERMINAL	4663	M200	\$1,984 HOSC
0104483	DEC	VT340	TA72805696	TERMINAL	4663	A109B	\$2,012 HOSC
0104484	DEC	VT340	TA72805649	TERMINAL	4663	M101	\$2,012 HOSC
0104485	DEC	VT340	TA72805652	TERMINAL	4663	A105	\$2,012 HOSC
0104486	DEC	VT340	TA72805622	TERMINAL	4663	A286	\$2,012 HOSC
0104487	DEC	VT340	TA72805724	TERMINAL	4663	M101	\$2,012 HOSC
0104488	DEC	VT340	TA72805702	TERMINAL	4663	A109	\$2,012 HOSC
0104489	DEC	VT340	TA72805700	TERMINAL	4663	A010	\$2,012 HOSC
0104490	DEC	VT340	TA72805690	TERMINAL	4663	A105	\$2,012 HOSC
0104491	DEC	VT340	TA72805677	TERMINAL	4663	M103	\$2,012 HOSC
0104492	DEC	VT340	TA72805682	TERMINAL	4663	A286	\$2,012 HOSC
0104493	DEC	VT340	TA72805655	TERMINAL	4663	A286	\$2,012 HOSC
0104494	DEC	VT340	TA72805711	TERMINAL	4663	A282	\$2,012 HOSC
0104495	DEC	VT340	TA72805697	TERMINAL	4663	A262	\$2,012 HOSC
0104498	DEC	VT340	TA72805555	TERMINAL	4663	A286	\$2,012 HOSC
0104499	DEC	VT340	TA72805535	TERMINAL	4663	A286	\$2,012 HOSC
0104500	DEC	VT340	TA72605561	TERMINAL	4663	A286	\$2,012 HOSC
0104501	DEC	VT340	TA72605553	TERMINAL	4663	A286	\$2,012 HOSC
0104502	DEC	VT340	TA72605480	TERMINAL	4663	M103	\$2,012 HOSC
0104503	DEC	VT340	TA72605567	TERMINAL	4663	A286	\$2,012 HOSC
0104504	DEC	VT340	TA72605484	TERMINAL	4663	A280	\$2,012 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0104505	DEC	VT340	TA72605504	TERMINAL	4663	A286	\$2,012 HOSC
0104506	DEC	VT340	TA72605483	TERMINAL	4663	A222	\$2,012 HOSC
0104508	DEC	VT340	TA72605477	TERMINAL	4663	A286	\$2,012 HOSC
0104509	DEC	VT340	TA72605440	TERMINAL	4663	M101	\$2,012 HOSC
0104510	DEC	VT340	TA72605489	TERMINAL	4663	A109A	\$2,012 HOSC
0104511	DEC	VT340	TA72605358	TERMINAL	4663	M101	\$2,012 HOSC
0104512	DEC	VT340	TA72605510	TERMINAL	4663	A109	\$2,012 HOSC
0104513	DEC	VT340	TA72805602	TERMINAL	4663	M101	\$2,012 HOSC
0104514	DEC	VT340	TA72805616	TERMINAL	4663	A105	\$2,012 HOSC
0104515	DEC	VT340	TA72604860	TERMINAL	4663	A286	\$2,012 HOSC
0104516	DEC	VT340	TA72805595	TERMINAL	4663	A211	\$2,012 HOSC
0104517	DEC	VT340	TA72605537	TERMINAL	4663	A109B	\$2,012 HOSC
0104518	DEC	VT340	TA72605488	TERMINAL	4663	M101	\$2,012 HOSC
0104519	DEC	VT340	TA72605547	TERMINAL	4663	M101	\$2,012 HOSC
0104520	DEC	VT340	TA72605367	TERMINAL	4663	A109B	\$2,012 HOSC
0104521	DEC	VT340	TA72805580	TERMINAL	4663	A222	\$2,012 HOSC
0859319	DEC	VT340	TA82829877	TERMINAL	4663	M101	\$2,047 HOSC
0859461	DEC	VT340	TA82830277	TERMINAL	4663	A109	\$2,047 HOSC
0859464	DEC	VT340	TA82830079	TERMINAL	4663	M101	\$2,047 HOSC
0859473	DEC	VT340	TA82830252	TERMINAL	4663	M201	\$2,047 HOSC
0859478	DEC	VT340	TA82829887	TERMINAL	4663	M203	\$2,047 HOSC
1013278	DEC	VT340	TA92952783	TERMINAL	4663	M103	\$2,595 HOSC
1013279	DEC	VT340	TA92952774	TERMINAL	4663	M103	\$2,595 HOSC
1013280	DEC	VT340	TA92952817	TERMINAL	4663	M101	\$2,595 HOSC
1013281	DEC	VT340	TA92952792	TERMINAL	4663	A222	\$2,595 HOSC
1013282	DEC	VT340	TA92952798	TERMINAL	4663	M103	\$2,595 HOSC
1013283	DEC	VT340	TA92952762	TERMINAL	4663	A201C	\$2,595 HOSC
1013284	DEC	VT340	TA92952768	TERMINAL	4663	A201C	\$2,595 HOSC
1013285	DEC	VT340	TA92952786	TERMINAL	4663	A201C	\$2,595 HOSC
1013286	DEC	VT340	TA92952801	TERMINAL	4663	A201C	\$2,595 HOSC
1013287	DEC	VT340	TA92952789	TERMINAL	4663	A201C	\$2,595 HOSC
1013288	DEC	VT340	TA92952776	TERMINAL	4663	A105	\$2,595 HOSC
1013289	DEC	VT340	TA92995025	TERMINAL	4663	A205	\$2,595 HOSC
1013290	DEC	VT340	TA92995025	TERMINAL	4663	A205	\$2,595 HOSC
1013294	DEC	VT340	TA92952539	TERMINAL	4663	M101	\$2,595 HOSC
1016600	DEC	VT340	TA00963469	TERMINAL	4663	A109	\$1,700 HOSC
1016602	DEC	VT340	TA00963444	TERMINAL	4663	M101	\$1,700 HOSC
1017523	DEC	VT340	TA00861978	TERMINAL	4663	A211	\$1,700 HOSC
1017524	DEC	VT340	TA00861975	TERMINAL	4663	A281	\$1,700 HOSC
1017525	DEC	VT340	TA00761946	TERMINAL	4663	M203	\$1,700 HOSC
1017526	DEC	VT340	TA00860771	TERMINAL	4663	A209	\$1,700 HOSC
1017527	DEC	VT340	TA00861586	TERMINAL	4663	A105	\$1,700 HOSC
1017528	DEC	VT340	TA00861977	TERMINAL	4663	M201	\$1,700 HOSC
1076215	DEC	VT340	TA02402588	TERMINAL	4663	A010	\$1,699 HOSC
1076216	DEC	VT340	TA2402559	TERMINAL	4663	M103	\$1,699 HOSC
1145631	DEC	VT340	TA80516892	TERMINAL	4663	M200	\$1,900 HOSC
1145633	DEC	VT340	TA03105050	TERMINAL	4663	M101	\$1,700 HOSC
1145637	DEC	VT340	TA03105087	TERMINAL	4663	A261	\$1,687 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1145638	DEC	VT340	TA03105058	TERMINAL	4663	A281	\$1,687 HOSC
1145639	DEC	VT340	TA03105103	TERMINAL	4663	A105	\$1,687 HOSC
1145640	DEC	VT340	TA92449682	TERMINAL	4663	M101	\$1,900 HOSC
1145643	DEC	VT340	TA03105088	TERMINAL	4663	A105	\$16,870 HOSC
1145919	DEC	VT340	TA0430T350	TERMINAL	4663	M200	\$1,713 HOSC
1145920	DEC	VT340	TA0430T387	TERMINAL	4663	A109B	\$1,713 HOSC
1145921	DEC	VT340	TA0430T378	TERMINAL	4663	M200	\$1,713 HOSC
1145922	DEC	VT340	TA0430T360	TERMINAL	4663	M101	\$1,713 HOSC
1145923	DEC	VT340	TA0430T318	TERMINAL	4663	M103	\$1,713 HOSC
1146020	DEC	VT340	TA80315081	TERMINAL	4663	M101	\$2,100 HOSC
1146602	DEC	VT340	B17R1639	TERMINAL	4663	M101	\$720 HOSC
1278923	DEC	VT340	TA21318744	TERMINAL	4663	A212	\$1,771 HOSC
1278924	DEC	VT340	TA21318775	TERMINAL	4663	A218	\$1,771 HOSC
1278925	DEC	VT340	TA21318764	TERMINAL	4663	A105	\$1,771 HOSC
1278926	DEC	VT340	TA21318774	TERMINAL	4663	M200	\$1,771 HOSC
1285947	DEC	VT340	TA00862115	TERMINAL	4663	A286	\$2,047 HOSC
G082260	DEC	VT340	TA85042428	TERMINAL	4663	M103	\$1,868 HOSC
G082519	DEC	VT340	TA92148205	TERMINAL	4663	A010	\$1,713 HOSC
G082837	DEC	VT340	TA92147950	TERMINAL	4663	A109	\$2,065 HOSC
0104522	DEC	VT340	TA72605418	TERMINAL	JSC	30/319	\$2,012 HOSC
0008682	DEC	VT340	TA93355174	TERMINAL	TZ	2000A	\$1,713 HOSC
0063914	DEC	VT340	TA73909687	TERMINAL	TZ	3009B	\$1,984 HOSC
0063924	DEC	VT340	TA73909687	TERMINAL	TZ	EQP3	\$1,984 HOSC
0104507	DEC	VT340	TA72605401	TERMINAL	TZ	3009A	\$2,012 HOSC
0859317	DEC	VT340	TA82829995	TERMINAL	TZ	3018	\$2,047 HOSC
1146028	DEC	VT340	TA84337359	TERMINAL	TZ	3009C	\$1,900 HOSC
1146078	DEC	VT340	TA03105065	TERMINAL	TZ	3026E	\$1,700 HOSC
G029072	DEC	VT340	TA74111299	TERMINAL	TZ	2023C	\$1,941 HOSC
0859315	DEC	VT340		TERMINAL	4746	142A	HOSC
0859318	DEC	VT340		TERMINAL	4746	146	HOSC
1013433	DEC	VT340		TERMINAL	4746	136	HOSC
1013434	DEC	VT340		TERMINAL	4746	144	HOSC
1013436	DEC	VT340		TERMINAL	4746	146	HOSC
1016587	DEC	VT340		TERMINAL	4746	146	HOSC
1016597	DEC	VT340		TERMINAL	4746	144	HOSC
1016603	DEC	VT340		TERMINAL	4746	144	HOSC
1145542	DEC	VT340		TERMINAL	4746	146	HOSC
1146137	DEC	VT340+	TA04709056	TERMINAL	4663	A109B	\$1,582 HOSC
1146029	DEC	VT340+	TA03105047	TERMINAL	TZ	3026D	\$1,700 HOSC
0859462	DEC	VT340-A2	TA82830075	TERMINAL	4663	M103	\$2,047 HOSC
0859470	DEC	VT340-A2	TA82830262	TERMINAL	4663	M101	\$2,047 HOSC
1146023	DEC	VT340-A2	TA00862209	TERMINAL	4663	A202	\$1,904 HOSC
3008683	DEC	VT340-AA	TA93355180	TERMINAL	4663	A214	\$2,100 HOSC
3008739	DEC	VT340-AA	TA92751103	TERMINAL	4663	M103	\$2,100 HOSC
0063887	DEC	VT340A2	TA73909685	DISPLAY UNIT	4610	2032	\$1,984 HOSC
0063890	DEC	VT340A2	TA73910014	DISPLAY UNIT	4610	2005	\$1,984 HOSC
0063898	DEC	VT340A2	TA73910077	DISPLAY UNIT	4610	1004	\$1,984 HOSC
0063900	DEC	VT340A2	TA73909489	DISPLAY UNIT	4610	2008	\$1,984 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0063901	DEC	VT340A2	TA73909601	DISPLAY UNIT	4610	1007	\$1,984 HOSC
0063919	DEC	VT340A2	TA73306971	DISPLAY UNIT	4610	1005	\$1,984 HOSC
0063929	DEC	VT340A2	TA73909728	DISPLAY UNIT	4610	1005	\$1,984 HOSC
0063930	DEC	VT340A2	TA73909450	DISPLAY UNIT	4610	1029	\$1,984 HOSC
0858582	DEC	VT340A2	TA82427759	DISPLAY UNIT	4610	2008A	\$1,984 HOSC
1016589	DEC	VT340A2	TA00963434	DISPLAY UNIT	4610	2016	\$1,700 HOSC
1016590	DEC	VT340A2	TA00963432	DISPLAY UNIT	4610	2007	\$1,700 HOSC
1016591	DEC	VT340A2	TA00963448	DISPLAY UNIT	4610	1038	\$1,700 HOSC
1016595	DEC	VT340A2	TA00963443	DISPLAY UNIT	4610	1059	\$1,700 HOSC
1016596	DEC	VT340A2	TA00963417	DISPLAY UNIT	4610	1041A	\$1,700 HOSC
1016598	DEC	VT340A2	TA00963430	DISPLAY UNIT	4610	3092	\$1,700 HOSC
1016599	DEC	VT340A2	TA00963466	DISPLAY UNIT	4610	3092	\$1,700 HOSC
1016610	DEC	VT340A2	TA00963116	DISPLAY UNIT	4610	1005	\$1,700 HOSC
1016611	DEC	VT340A2	TA00963455	DISPLAY UNIT	4610	2034	\$1,700 HOSC
1016612	DEC	VT340A2	TA10164017	DISPLAY UNIT	4610	2014	\$1,700 HOSC
1016613	DEC	VT340A2	TA00963459	DISPLAY UNIT	4610	2039	\$1,700 HOSC
1016614	DEC	VT340A2	TA00963442	DISPLAY UNIT	4610	1001A	\$1,700 HOSC
1016616	DEC	VT340A2	TA00963122	DISPLAY UNIT	4610	2003	\$1,700 HOSC
1016617	DEC	VT340A2	TA01064008	DISPLAY UNIT	4610	1020	\$1,700 HOSC
1082854	DEC	VT340A2	TA73910067	DISPLAY UNIT	4610	1004	\$1,984 HOSC
1282706	DEC	VT340A2	TA93254384	TERMINAL, DATA PROCESS	4610	1005	\$2,740 HOSC
0063891	DEC	VT340A2	TA73808229	TERMINAL	4663	A109	\$1,984 HOSC
1016601	DEC	VT340DA	TA00963448	TERMINAL	TZ	3025E	\$2,100 HOSC
1146609	DEC	VT420	TA134D0726	TERMINAL	4663	A109	\$430 HOSC
1146610	DEC	VT420	TA122A2115	TERMINAL	4663	A109	\$430 HOSC
1146611	DEC	VT420	TA134C9985	MONITOR	4663	A109A	\$430 HOSC
1146612	DEC	VT420	TA134D0785	TERMINAL	4663	A300	\$430 HOSC
1146613	DEC	VT420	TA122A1933	TERMINAL	4663	A109	\$430 HOSC
1146614	DEC	VT420	TA134C9989	TERMINAL	4663	A109	\$430 HOSC
1146615	DEC	VT420	TA12199657	TERMINAL	4663	A109	\$430 HOSC
1146616	DEC	VT420	TA122A2251	TERMINAL	4663	A109	\$430 HOSC
1146617	DEC	VT420	TA122A2217	TERMINAL	4663	A109	\$430 HOSC
1146618	DEC	VT420	TA122A2123	TERMINAL	4663	A109	\$430 HOSC
1146621	DEC	VT420	TA122A1889	TERMINAL	4663	A109	\$430 HOSC
1146622	DEC	VT420	TA122A2087	TERMINAL	4663	A109	\$430 HOSC
1146623	DEC	VT420	TA12199667	TERMINAL	4663	A109	\$430 HOSC
1146624	DEC	VT420	TA122A2261	TERMINAL	4663	A109	\$430 HOSC
1146625	DEC	VT420	TA122A2109	TERMINAL	4663	A105	\$430 HOSC
1146626	DEC	VT420	TA122A2083	TERMINAL	4663	A109	\$430 HOSC
1146627	DEC	VT420	TA134D0964	TERMINAL	4663	A109	\$430 HOSC
1146628	DEC	VT420	TA134D0922	TERMINAL	4663	A109	\$430 HOSC
1146629	DEC	VT420	TA134D0852	TERMINAL	4663	A209	\$430 HOSC
1146630	DEC	VT420	TA134D0955	TERMINAL	4663	A105	\$430 HOSC
1146632	DEC	VT420	TA134D1215	TERMINAL	4663	A109	\$430 HOSC
1280388	DEC	VT420	TA30278221	TERMINAL	4663	A109	\$350 HOSC
1146959	DEC	VT420		TERMINAL	4746	136	HOSC
1146619	DEC	VT420-C2	TA122A2059	TERMINAL	4663	A124	\$430 HOSC
1146620	DEC	VT420-C2	TA122A2182	TERMINAL	4663	A300	\$430 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST ARE/
1146631	DEC	VT420-CA	TA134D0930	TERMINAL	4663	M204	\$430 HOS
1287036	DEC	VT420-CA	SZ33123461	TERMINAL	4663	A109	\$407 HOS
1146948	DEC	VX10A-AA	TA14516215	TERMINAL	4663	A109	\$379 HOS
1146949	DEC	VX10A-AA	TA14516194	TERMINAL	4663	A109	\$379 HOS
1146950	DEC	VX10A-AA	TA14516211	BASE UNIT	4663	A109	\$379 HOS
1146951	DEC	VX10A-AA	TA14516204	BASE UNIT	4663	A109	\$379 HOS
1222179	DEC	VX20A-AA	TA21002638	COMPUTER	4663	A109B	\$1,995 HOS
1222180	DEC	VX20A-AA	TA21002662	COMPUTER	4663	A109B	\$1,995 HOS
1222181	DEC	VX20A-AA	TA21002650	COMPUTER	4663	A105	\$1,995 HOS
1222296	DEC	VX20A-AA	TA22004667	COMPUTER	4663	A108A	\$1,585 HOS
1222299	DEC	VX20A-AA	TA221004698	COMPUTER	TZ	2022C	\$1,585 HOS
1282102	DEC	VX20A-CA	TA23201416	COMPUTER	4663	A109B	\$3,061 HOS
1282108	DEC	VX20A-CA	TA23201414	COMPUTER	4663	A220A	\$3,061 HOS
1282109	DEC	VX20A-CA	TA23201400	COMPUTER	4663	A220A	\$3,061 HOS
1282101	DEC	VX20A-CC	TA23801567	COMPUTER	4663	A108A	\$2,113 HOS
1282103	DEC	VX20A-CC	TA23801559	COMPUTER	4663	A220A	\$2,113 HOS
1282104	DEC	VX20A-CC	TA23801548	COMPUTER	4663	A109B	\$2,113 HOS
1282105	DEC	VX20A-CC	TA23801566	COMPUTER	4663	A205	\$2,113 HOS
1282106	DEC	VX20A-CC	TA23801558	COMPUTER	4663	A109B	\$2,113 HOS
1282107	DEC	VX20A-CC	TA23801563	COMPUTER	4663	A109B	\$2,113 HOS
1268773	DEC	VX20A-DC	TA22800144	COMPUTER, MICRO	4610	2003	\$2,868 HOS
1268774	DEC	VX20A-DC	TA22800132	COMPUTER, MICRO	4610	2016	\$2,868 HOS
1268775	DEC	VX20A-DC	TA22800141	COMPUTER, MICRO	4610	2008	\$2,868 HOS
1283305	DEC	VX20AEA	TA311100573	TERMINAL, DATA PROCESS	4610	2033	\$1,850 HOS
1399688	DEC	VX20AEA	TA31201116	TERMINAL, DATA PROCESS	4610	2002	\$2,415 HOS
1399689	DEC	VX20AEA	TA31201115	TERMINAL, DATA PROCESS	4610	2032	\$2,415 HOS
1399690	DEC	VX20AEA	TA31401685	TERMINAL, DATA PROCESS	4610	1006	\$2,415 HOS
1399691	DEC	VX20AEA	TA31201144	TERMINAL, DATA PROCESS	4610	2002	\$2,415 HOS
1400291	DEC	VX20AEA	TA31100180	TERMINAL, DATA PROCESS	4610	3092	\$2,747 HOS
1400292	DEC	VX20AEA	TA31000367	TERMINAL, DATA PROCESS	4610	3090	\$2,747 HOS
1400293	DEC	VX20AEA	TA31200912	TERMINAL, DATA PROCESS	4610	3090	\$2,747 HOS
1150502	DEC	WS42B-DA	AB03301289	COMPUTER, MICRO	4610	3098B	\$10,881 HOS
1400289	DEC			MONITOR	4746	144	HOS
0008885	DEC			MONITOR	4746	137	HOS
1398127	DEL	433/L	35CC0	COMPUTER	TZ	2025C	\$1,200 HOS
1398126	DELL	VC5	332Q1575	MONITOR	TZ	2025C	\$650 HOS
G029723	DIGITAL PRODUCTS			PRINT DIRECTOR	4663	A109B	\$516 HOS
1396684	DOLCH	DP486-33DX2	DCS2008163	COMPUTER	4663	A300	\$26,630 HOS
1283288	DOLCH	PIXELVIEW		LCD/TOUCHSCREEN	4610	CAVE	HOS
G084929	DTK	TECH 1230	E9060275	COMPUTER	4492	100	\$920 HOS
1149304	EPSON	FX-185	016812	PRINTER	4663	M209	\$1,500 HOS
0177052	EPSON	FX-280	062028180	PRINTER	4663	A010	\$565 HOS
G080246	EPSON	FX100	083126	PRINTER	TZ	3003F	\$499 HOS
1146146	EPSON	FX1050	0E10018962	PRINTER	4663	A124A	\$471 HOS
1080629	EPSON	FX286E	05012108	PRINTER	4650	206	\$510 HOS
1017442	EPSON	FX850	0DN1049133	PRINTER	4650	206-6S	\$510 HOS
1146148	EPSON	FX850	0DN0068783	PRINTER	4663	A124	\$349 HOS
0858396	EPSON	FX850	00C0022084	PRINTER	TZ	2108	\$400 HOS

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0858397	EPSON	FX850	00C0021764	PRINTER	TZ	3008D	\$400	HOSC
0858399	EPSON	FX850	00C0029566	PRINTER	TZ	3018	\$400	HOSC
1013020	EPSON	LQ-850		PRINTER	4748	148		HOSC
0010300	EPSON	LX-810	4480322713	PRINTER	4663	A010	\$300	HOSC
0730985	EPSON	P10FA	099579	PRINTER	4663	A124A	\$698	HOSC
1017443	EPSON	P82PB	0DN1049121	PRINTER	4650	207-6S	\$510	HOSC
1153702	EXOS			SAFIRE I	4610	CAVE		HOSC
1285775	FARALLON	PN357	09-09473	STAR CONTROLLER	4663	A209	\$848	HOSC
1285776	FARALLON	PN357	09-09470	STAR CONTROLLER	4663	A124	\$848	HOSC
1440853	FLUKE	PM3394A/063	DM813008	OSCILLOSCOPE	4663	A105	\$6,831	HOSC
0416775	FORD AEROSPACE	OA2690	8301	CONTROL UNIT INPUT	4663	A109	\$200,000	HOSC
0416776	FORD AEROSPACE	OA2690	8302	CONTROL UNIT OUTPUT	4663	A109	\$200,000	HOSC
1145795	FUJITSU	DX2400	104592	PRINTER	4663	M200	\$449	HOSC
1017221	G.E.	NONE	NONE	DATA DISTR. UNIT	4663	A274	\$134,999	HOSC
1271362	GATEWAY	1024NI	TB9C95182	MONITOR	4663	A214	\$495	HOSC
1271365	GATEWAY	486SX/25	9209222	COMPUTER	4663	A214	\$6,030	HOSC
0732933	GENERAL DATA PRODUCT	B1000-5	V03496	PRINTER	4663	A109	\$10,629	HOSC
1145644	GOLDSTAR	1460+	MC-00801538	MONITOR	4663	M103	\$536	HOSC
1146829	GRAHAM MAGNETICS	INSPECTOR IV	5366	TAPE CERTIFIER	4663	A109	\$14,000	HOSC
1150511	GRID SYSTEMS	1530		GRIDCASE	4610	CAVE		HOSC
1150391	GRID SYSTEMS	1537		GRID EL DISPLAY	4610	CAVE		HOSC
0542503	HEWLETT PACKARD	1607A	1530A00500	ANALYZER	4663	A105	\$2,750	HOSC
0186592	HEWLETT PACKARD	1631D	2713A	LOGIC ANALYZER	4663	M104	\$13,485	HOSC
0416798	HEWLETT PACKARD	1725A	2302A06455	OSCILLOSCOPE	4663	A105	\$4,450	HOSC
0416797	HEWLETT PACKARD	1741A	2305A10380	OSCILLOSCOPE	4663	A105	\$5,460	HOSC
1146340	HEWLETT PACKARD	2225A	3119S61933	PRINTER	4663	A114	\$384	HOSC
1146341	HEWLETT PACKARD	2225A	3109S59251	PRINTER	4663	M104	\$384	HOSC
1149356	HEWLETT PACKARD	2228A	3112560973	PRINTER	4663	M209	\$395	HOSC
0102389	HEWLETT PACKARD	3133V	2334A05014	DISK DRIVE	4663	M104	\$2,158	HOSC
0416830	HEWLETT PACKARD	3312A	1432A12806	GENERATOR	4663	A105	\$1,125	HOSC
0176989	HEWLETT PACKARD	3335A	1640A03065	SYNTHESIZER	4663	M104	\$4,000	HOSC
0177215	HEWLETT PACKARD	3335A	2516A03882	SYNTHESIZER	4663	A114	\$2,500	HOSC
0177218	HEWLETT PACKARD	3335A	2516A03882	SYNTHESIZER	4663	A114	\$2,500	HOSC
0186146	HEWLETT PACKARD	3335A	1640A03067	SYNTHESIZER	4663	A114	\$4,000	HOSC
0186148	HEWLETT PACKARD	3335A	1640A03061	SYNTHESIZER	4663	A114	\$4,000	HOSC
0187101	HEWLETT PACKARD	3335A	1640A03054	SYNTHESIZER	4663	A114	\$4,000	HOSC
0289085	HEWLETT PACKARD	3335A	1640A03062	FREQ SYNTHESIZER	4663	A114	\$4,000	HOSC
1016988	HEWLETT PACKARD	3335A	2849A05169	SYNTHESIZER	4663	A114	\$11,209	HOSC
0085777	HEWLETT PACKARD	3340	2652J64163	PRINTER	TZ	2105	\$1,952	HOSC
G029640	HEWLETT PACKARD	33440A	2801J06600	PRINTER	4654	130	\$1,725	HOSC
1017998	HEWLETT PACKARD	33449A	3015J98992	PRINTER	4650	203	\$2,050	HOSC
1145791	HEWLETT PACKARD	33449A	3048A49507	PRINTER	4650	12	\$1,865	HOSC
1145792	HEWLETT PACKARD	33449A	3048A49505	PRINTER	4650	202	\$1,865	HOSC
1219022	HEWLETT PACKARD	33449A	3140J32373	PRINTER	4654	129	\$1,695	HOSC
1145790	HEWLETT PACKARD	33449A	3048A49498	PRINTER	4663	A260	\$1,615	HOSC
1145796	HEWLETT PACKARD	33449A	3048A49512	PRINTER	4663	M200	\$1,865	HOSC
1222193	HEWLETT PACKARD	33449A	3221A11368	PRINTER	4663	M104	\$1,509	HOSC
1080972	HEWLETT PACKARD	33449A	30331J97663	PRINTER	TZ	2102	\$1,800	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1145793	HEWLETT PACKARD	33449A	3048A49415	PRINTER	TZ	3013A	\$1,865 HOSC
1145794	HEWLETT PACKARD	33449A	3048A49503	PRINTER	TZ	3010B	\$1,865 HOSC
1146361	HEWLETT PACKARD	33449A	3104J07911	PRINTER	TZ	2120	\$1,595 HOSC
1146362	HEWLETT PACKARD	33449A	3104JD9461	PRINTER	TZ	3023B	\$1,595 HOSC
1396733	HEWLETT PACKARD	33491A	3211J38064	PRINTER	4650	LOBBY	\$4,719 HOSC
1396735	HEWLETT PACKARD	33491A	3201J89196	PRINTER	4650	201HAL	\$4,719 HOSC
1396734	HEWLETT PACKARD	33491A	3211J60746	PRINTER	4654	124	\$4,719 HOSC
1222269	HEWLETT PACKARD	33491A	3211J30089	PRINTER	TZ	NLOBBY	\$4,082 HOSC
1222270	HEWLETT PACKARD	33491A	3211J30195	PRINTER	TZ	SLOBBY	\$4,082 HOSC
1396732	HEWLETT PACKARD	33491A	3211J60818	PRINTER	TZ	2005B	\$4,719 HOSC
1396737	HEWLETT PACKARD	33491A	3211J54000	PRINTER	TZ	2ND FL	\$4,719 HOSC
1287731	HEWLETT PACKARD	37204A	3212U23902	HPIB EXTENDER	4663	A109	\$1,380 HOSC
1287732	HEWLETT PACKARD	37204A	3212U23901	HPIB EXTENDER	4663	A114	\$1,380 HOSC
1400162	HEWLETT PACKARD	37204A	2547U00346	HP-IB EXTENDER	4663	A114	\$1,050 HOSC
1400163	HEWLETT PACKARD	37204A	3006U14683	HP-IB EXTENDER	4663	A114	\$1,050 HOSC
1400164	HEWLETT PACKARD	37204A	2910U13035	HP-IB EXTENDER	4663	A114	\$1,050 HOSC
1016094	HEWLETT PACKARD	436A	2709A29737	POWER METER	4663	A114	\$3,202 HOSC
0860723	HEWLETT PACKARD	5350B	2832A01445	FREQUENCY COUNTER	TZ	3018	\$4,929 HOSC
0860774	HEWLETT PACKARD	7440A	2539A87540	PLOTTER	4663	A012	\$888 HOSC
0288728	HEWLETT PACKARD	7475	2325A83726	PLOTTER	TZ	2025F	\$2,550 HOSC
1218997	HEWLETT PACKARD	7576A	3112A20540	PLOTTER.GRAPHICS	TZ	2009A	\$4,189 HOSC
0062567	HEWLETT PACKARD	7957A	2719A03978	DISK DRIVE	4663	M104	\$3,610 HOSC
0062725	HEWLETT PACKARD	7957A	2719A03939	DISK DRIVE	4663	A114	\$3,610 HOSC
0836777	HEWLETT PACKARD	7959B	2815A02809	DISK DRIVE	4663	A109	\$9,350 HOSC
0836778	HEWLETT PACKARD	7959B	2815A02800	DISK DRIVE	4663	A109B	\$9,350 HOSC
1400160	HEWLETT PACKARD	7959B	2853A06003	DISK DRIVE	4663	M104	\$2,500 HOSC
0102393	HEWLETT PACKARD	89205B	2327J12289	PRINTER	4663	A114	\$564 HOSC
0102394	HEWLETT PACKARD	89205B	2338J14145K	PRINTER	4663	M104	\$564 HOSC
0102392	HEWLETT PACKARD	9133V	2334A05015	DISK DRIVE	4663	A114	\$2,158 HOSC
1400161	HEWLETT PACKARD	9133V	2334A00216	DISK DRIVE	4663	M104	\$575 HOSC
0062566	HEWLETT PACKARD	9144A	2728E15560	TAPE DRIVE	4663	A109B	\$1,675 HOSC
0062724	HEWLETT PACKARD	9144A	2728E15557	TAPE DRIVE	4663	A109B	\$1,675 HOSC
0223474	HEWLETT PACKARD	9144A	2550E03654	TRANSPORT.MAG TAPE	4663	A114	\$2,345 HOSC
0223655	HEWLETT PACKARD	9144A	2543A06205	TRANSPORT.MAG TAPE	4663	A114	\$2,660 HOSC
0235083	HEWLETT PACKARD	9144A	2624E07099	TRANSPORT.MAG TAPE	4663	A114	\$3,500 HOSC
0235084	HEWLETT PACKARD	9144A	2624E07097	TRANSPORT.MAG TAPE	4663	M104	\$3,500 HOSC
0062730	HEWLETT PACKARD	92211R	NONE	RACK. ELECTRICAL	4663	A114	\$550 HOSC
0062632	HEWLETT PACKARD	9836A	2440A12621	TERMINAL	4663	A114	\$635 HOSC
0538984	HEWLETT PACKARD	9836A	2314A05223	COMPUTER	4663	A124	\$10,868 HOSC
0062726	HEWLETT PACKARD	98568A	NONE	COMPUTER	4663	A109B	\$1,444 HOSC
1146798	HEWLETT PACKARD	98751A	2836J13840	MONITOR	4663	M104	\$750 HOSC
1285764	HEWLETT PACKARD	98751A	2720-J-02080	MONITOR	4663	A109B	\$1,600 HOSC
1285765	HEWLETT PACKARD	98751A	2720-J-01131	MONITOR	4663	A109B	\$1,600 HOSC
1400078	HEWLETT PACKARD	98751A	2720J01847	MONITOR	4663	M104	\$1,550 HOSC
1400159	HEWLETT PACKARD	98751A	2720J00537	MONITOR	4663	M104	\$1,550 HOSC
0102388	HEWLETT PACKARD	9888A	2423A02330	EXPANDER BUS	4663	A114	\$2,718 HOSC
0102391	HEWLETT PACKARD	9888A	2423A02401	EXPANDER BUS	4663	A114	\$2,718 HOSC
1401493	HEWLETT PACKARD	C2001A	JPBF094704	PRINTER	4650	208-6S	\$1,850 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1284017	HEWLETT PACKARD	C2001A	JPBF086892	PRINTER	4663	A269	\$1,936 HOSC
1286878	HEWLETT PACKARD	C2001A	JPBG036530	PRINTER	TZ	2009A	\$1,936 HOSC
1442654	HEWLETT PACKARD	C2039A	JPGLO211437	PRINTER	4663	A109	\$1,200 HOSC
1442655	HEWLETT PACKARD	C2039A	JPGK054407	PRINTER	4663	A109	\$1,200 HOSC
1442656	HEWLETT PACKARD	C2039A	JPGL031772	PRINTER	4663	A109	\$1,200 HOSC
1442657	HEWLETT PACKARD	C2039A	JPGL031825	PRINTER	4663	A109	\$1,200 HOSC
1442658	HEWLETT PACKARD	C2039A	JPGL021440	PRINTER	4663	A109	\$1,200 HOSC
1442659	HEWLETT PACKARD	C2039A	JPGK054408	PRINTER	4663	A109	\$1,200 HOSC
1442660	HEWLETT PACKARD	C2039A	JPGK052191	PRINTER	4663	A109	\$1,200 HOSC
1442661	HEWLETT PACKARD	C2039A	JPGL021424	PRINTER	4663	A109	\$1,200 HOSC
1442662	HEWLETT PACKARD	C2039A	JPGL035298	PRINTER	4663	A109	\$1,200 HOSC
1442663	HEWLETT PACKARD	C2039A	JPGK054404	PRINTER	4663	A109	\$1,200 HOSC
1442664	HEWLETT PACKARD	C2039A	JPGL033517	PRINTER	4663	A109	\$1,200 HOSC
1402280	HEWLETT PACKARD	C2500A	3414A59707	OPTICAL READER	4610	1021	\$888 HOSC
1402281	HEWLETT PACKARD	C2500A	3414A59396	OPTICAL READER	TZ	2009D	\$888 HOSC
0082565	HEWLETT PACKARD	HP3000	NONE	EXPANDER	4663	A109	\$1,444 HOSC
0082728	HEWLETT PACKARD	HP3000	2642A01250	EXPANDER	4663	A109B	\$10,000 HOSC
0062568	HEWLETT PACKARD	HP360	2642A01250	COMPUTER	4663	A109	\$10,000 HOSC
0063655	HEWLETT PACKARD	HP82905B	2143J12628	PRINTER	4663	A114	\$500 HOSC
0063656	HEWLETT PACKARD	HP9133V	2334A00127	DISK DRIVE	4663	A114	\$1,690 HOSC
0062631	HEWLETT PACKARD	HP9838A	2440A12621LV	COMPUTER	4663	A114	\$12,000 HOSC
0102390	HEWLETT PACKARD	HP9838A	2440A09693	COMPUTER	4663	A114A	\$17,448 HOSC
0102387	HEWLETT PACKARD	HP9838S	2440A09680	COMPUTER	4663	A114	\$17,448 HOSC
1286756	HEWLETT PACKARD	LASERJET 4	JPBG037995	PRINTER	4650	12	\$1,936 HOSC
1286757	HEWLETT PACKARD	LASERJET 4	JPBG036534	PRINTER	TZ	2025	\$1,936 HOSC
1286879	HEWLETT PACKARD	LASERJET 4	JPBF086896	PRINTER	TZ	2023C	\$1,936 HOSC
1078684	HEWLETT PACKARD	LASERJET III	3033A04820	PRINTER	4663	A221	\$1,917 HOSC
1222194	HEWLETT PACKARD	LASERJET III	3221A11372	PRINTER	4663	A220A	\$1,509 HOSC
1146655	HEWLETT PACKARD	LASERJET III	3112A94003	PRINTER	TZ	2020B	\$1,524 HOSC
1222202	HITACHI	CM2085MU	Y2E019241	MONITOR	4663	A275	\$3,576 HOSC
1268739	HITACHI	CM2085MU	Y2B017460	MONITOR	4663	A271	\$3,279 HOSC
1399477	HP	LASERJET 4		PRINTER	4610	CAVE	HOSC
0243371	HUNTRON	2000	24002164	TEST EQUIPMENT	4663	A300	\$1,895 HOSC
1148763	IBM	3708-001	88-0012374	PROTOCOL CONVERTER	4650	208-6S	\$2,880 HOSC
1145935	IBM	3708-001	88-0019126	PROTOCOL CONVERTER	4663	A260	\$2,719 HOSC
1145936	IBM	3708-001	88-0019129	PROTOCOL CONVERTER	4663	A260	\$2,719 HOSC
1148755	IBM	3708-001	88-0012165	PROTOCOL CONVERTER	4663	A124	\$2,880 HOSC
1148756	IBM	3708-001	88-0012158	PROTOCOL CONVERTER	4663	A302	\$2,880 HOSC
1148757	IBM	3708-001	88-0012156	PROTOCOL CONVERTER	4663	A124	\$2,880 HOSC
1148758	IBM	3708-001	88-0012162	PROTOCOL CONVERTER	4663	A260	\$2,880 HOSC
1148759	IBM	3708-001	880012157	CONVERSION UNIT	4663	A124	\$2,880 HOSC
1148760	IBM	3708-001	88012147	PROTOCOL CONVERTER	4663	B161	\$2,880 HOSC
1148761	IBM	3708-001	88-0012179	PROTOCOL CONVERTER	4663	A260	\$2,880 HOSC
1148764	IBM	3708-001	88-0012181	PROTOCOL CONVERTER	4663	A124	\$2,880 HOSC
1148765	IBM	3708-001	88-0012161	PROTOCOL CONVERTER	4663	A124	\$2,880 HOSC
1148766	IBM	3708-001	880012163	CONVERSION UNIT	4663	A124	\$2,880 HOSC
1148767	IBM	3708-001	88-0012161	PROTOCOL CONVERTER	4663	A124	\$2,880 HOSC
1148762	IBM	3708-002	88-0012151	PROTOCOL CONVERTER	4663	B161	\$2,880 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0176492	IBM	4201	2712575	PRINTER	4650	206	\$450 HOSC
0176493	IBM	4201	47-2712575	PRINTER	4650	13	\$300 HOSC
0176440	IBM	4202-001	47-0108287	PRINTER	4650	210-6N	\$514 HOSC
0177396	IBM	4202XL	47-0103001	PRINTER	4663	A220A	\$514 HOSC
1078584	IBM	4224	005624	PRINTER	4663	A012	\$2,772 HOSC
0835596	IBM	4869	86-0206717	DISK DRIVE	4663	A300	\$268 HOSC
G081233	IBM	4869	86-0339039	DISK DRIVE	4663	A105	\$3,170 HOSC
0286303	IBM	5151-001	0320465	MONITOR	4663	A109	\$400 HOSC
0734286	IBM	5152002	0044293	PRINTER	4663	M200	\$1,000 HOSC
1281331	IBM	5153	0596297	MONITOR	4663	A101	\$545 HOSC
0242835	IBM	5170-099	5149856	COMPUTER	4663	A010	\$4,417 HOSC
0286963	IBM	5412641	002144973	PRINTER	4650	210	\$314 HOSC
1268834	IBM	56SLC	23RTT49	COMPUTER	4663	A220A	\$2,319 HOSC
0008943	IBM	8512	72-0719678	MONITOR	4663	A124	\$485 HOSC
0834904	IBM	8512	72-0321943	MONITOR	4663	A124	\$473 HOSC
G081160	IBM	8512	72-0485379	MONITOR	4663	A265	\$485 HOSC
1268835	IBM	8514	72-1235835	MONITOR	4663	A220A	\$817 HOSC
0835593	IBM	8550	78-2106480	COMPUTER	4663	A105	\$2,475 HOSC
1013382	IBM	8570-A21	23-6031960	COMPUTER	TZ	2020B	\$7,051 HOSC
0285338	IBM	EGA	0890249	MONITOR	TZ	2105	\$500 HOSC
1268915	IBM	INFOWINDOW	88-Y5931	TERMINAL	4663	A220A	\$837 HOSC
1268916	IBM	INFOWINDOW	88-Y6174	TERMINAL	4663	A124	\$837 HOSC
1145788	IBM	M0650	7901020030	IOMEGA LASERSAFE	4663	A260	\$3,532 HOSC
1145789	IBM	M0650	7921040012	IOMEGA LASERSAFE	4663	A260	\$3,532 HOSC
1077531	IBM	PC/XT	N54268915160	COMPUTER	4663	A012	\$4,500 HOSC
G081234	IBM	PS/2 50Z	23-7653857	COMPUTER	4663	A300	\$2,450 HOSC
1146636	IBM	PS2/70	60891278570	COMPUTER	4663	A260	\$4,375 HOSC
1146637	IBM	PS2/70	60891318570	COMPUTER	4663	A260	\$4,375 HOSC
1153510	IBM	PS2/70	23-8050675	COMPUTER	4663	A260	\$4,093 HOSC
1268475	IBM	PS2/70	236021393	COMPUTER	4663	A260	\$3,350 HOSC
1016480	IBM	PS2/80	23-6043338	COMPUTER	4650	208-6S	\$5,867 HOSC
1153511	IBM	ZCM-1492	019ND0513N08	MONITOR	4663	A260	\$599 HOSC
G32449	IBM			IBM AT	4610	CAVE	HOSC
0102923	IDS	4030	524487	PROG DATA TESTER	4663	A105	\$0 HOSC
1401690	INTERGRAPH CORP.	2217	H16KH9	PRINTER	4650	20-D	\$3,500 HOSC
0860043	JDL	JDL 850	5444511	PRINTER/PLOTTER	TZ	2025	\$2,795 HOSC
1283196	KFC	CT1428A	K1KKU3328597	MONITOR	4663	A109B	\$288 HOSC
1018105	KINETICS	FASTPATH 4	SHV-1134	FASTPATH	4663	A124	\$1,850 HOSC
0102398	KODE	275-522	021283	TIME CONTROL UNIT	4663	A114	\$5,445 HOSC
0102399	KODE	275-522	011283	TIME CONTROL UNIT	4663	A114	\$5,445 HOSC
0102470	KODE	275-522	031283	TIME CONTROL UNIT	4663	A114	\$5,445 HOSC
0102471	KODE	275-522	041238	TIME CONTROL UNIT	4663	A114	\$5,445 HOSC
0264217	L H RESEARCH INC	LM53-11YOY/115	T8810384	POWER SUPPLY	4663	A114	\$2,000 HOSC
0287103	LSI	6100	57852	TERMINAL	4663	A109	\$2,000 HOSC
0022382	LSI	ADM11	22382	TERMINAL	4663	A109	\$500 HOSC
0287102	LSI	ADM11	57856	TERMINAL	4663	A109	\$2,000 HOSC
0543417	LSI	ADM36	20798	TERMINAL	4663	A124	\$1,055 HOSC
0543459	LSI	ADM36	20856	TERMINAL	TZ	2000C	\$1,055 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0541001	LSI	ADM3A	525209	TERMINAL	4663	M104	\$735 HOSC
0676561	LSI	ADM3A	506038	TERMINAL	4663	A109	\$737 HOSC
1286356	MAG	MX14S	MA115302116B	MONITOR	4663	A220	\$850 HOSC
1286358	MAG	MX14S	MA1153020961	MONITOR	4663	M200	\$850 HOSC
1286366	MAG	MX14S	MA1153020831	MONITOR	4663	M200	\$850 HOSC
1400778	MAG	MX14S	MA1153022290	MONITOR	4663	A300	\$850 HOSC
1286311	MAG	MX14S	MHX608205	MONITOR	TZ	3002G	\$1,026 HOSC
1286312	MAG	MX14S	MHX608217	MONITOR	TZ	3004G	\$1,026 HOSC
1286315	MAG	MX14S	MHX608213	MONITOR	TZ	3014A	\$1,026 HOSC
1286317	MAG	MX14S	MHX612350	MONITOR	TZ	3025A	\$1,026 HOSC
1286318	MAG	MX14S	MHX609013	MONITOR	TZ	3004K	\$1,026 HOSC
1286320	MAG	MX14S	MHX608202	MONITOR	TZ	3014D	\$1,026 HOSC
1286321	MAG	MX14S	MHX612300	MONITOR	TZ	3013D	\$1,026 HOSC
1286322	MAG	MX14S	MHX612347	MONITOR	TZ	3017A	\$1,026 HOSC
1286348	MAG	MX14S	MA1153027062	MONITOR	TZ	2004B	\$850 HOSC
1286349	MAG	MX14S	MA1153020829	MONITOR	TZ	2106	\$850 HOSC
1286351	MAG	MX14S	MA1153021072	MONITOR	TZ	2025E	\$850 HOSC
1286352	MAG	MX14S	MA1153020966	MONITOR	TZ	2111	\$850 HOSC
1286353	MAG	MX14S	MA1153021207	MONITOR	TZ	3027A	\$850 HOSC
1286354	MAG	MX14S	MA1153021175	MONITOR	TZ	2011A	\$850 HOSC
1286355	MAG	MX14S	MA1153021161	MONITOR	TZ	2014C	\$850 HOSC
1286359	MAG	MX14S	MA1153020825	MONITOR	TZ	3004D	\$850 HOSC
1286360	MAG	MX14S	MA1153021172	MONITOR	TZ	3003D	\$850 HOSC
1286361	MAG	MX14S	MA1153020820	MONITOR	TZ	2015C	\$850 HOSC
1286362	MAG	MX14S	MA1153021204	MONITOR	TZ	2021A	\$850 HOSC
1286363	MAG	MX14S	MA1153021077	MONITOR	TZ	3015E	\$850 HOSC
1286365	MAG	MX14S	MA1153020834	MONITOR	TZ	2018B	\$850 HOSC
1281497	MAG	MX17	MHX600722	MONITOR	TZ	2104	\$850 HOSC
1281507	MAG	MX17	MHX600821	MONITOR	TZ	2027A	\$850 HOSC
1281511	MAG	MX17	MHX607086	MONITOR	TZ	2100	\$850 HOSC
1400536	MAG	MX17F	MH1333003513	MONITOR	4663	A223	\$540 HOSC
1400537	MAG	MX17F	MH133300374	MONITOR	TZ	2012C	\$540 HOSC
1286313	MAG	MX17H	MHX608201	MONITOR	TZ	3006E	\$1,026 HOSC
1286314	MAG	MX17H	MHX608241	MONITOR	TZ	3012A	\$1,026 HOSC
1286316	MAG	MX17H	MHX608198	MONITOR	TZ	3005D	\$1,026 HOSC
1286324	MAG	MX17H	MHX612336	MONITOR	TZ	2105	\$1,026 HOSC
1286323	MAG	MX17S	MAX700805	MONITOR	TZ	3000B	\$1,026 HOSC
1288853	MAG	PVM1448L	TB9500489	MONITOR	4663	A124	\$385 HOSC
1282242	MAG			MONITOR	4610	CAVE	HOSC
1145866	MAGNAVOX	9CM080-0741	67045916	MONITOR	4663	A271	\$456 HOSC
1223116	MANNESMANN	TALLY 660			4746	114	HOSC
0102395	MARTIN MARIETTA	849-100	0000009	DEMULPLEXER	4663	M104	\$201,800 HOSC
0185503	MARTIN MARIETTA	849-100	0000016	DEMULPLEXER	4663	A114	\$116,668 HOSC
0185505	MARTIN MARIETTA	849-100	0000017	DEMULPLEXER	4663	A114	\$116,668 HOSC
0288536	MARTIN MARIETTA	849-100	0000010	DEMULPLEXER	4663	A114	\$150,000 HOSC
0289002	MARTIN MARIETTA	849-100	0000011	DEMULPLEXER	4663	A114	\$196,428 HOSC
0102396	MARTIN MARIETTA	849-200	0000006	DEMULPLEXER	4663	M104	\$201,800 HOSC
0185504	MARTIN MARIETTA	849-200	0000007	DEMULPLEXER	4663	A114	\$82,808 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
G030342	MBB	DIM-100	001	DIMS RACK	4663	M103	\$177,000 HOSC
G030343	MBB	SCS-100	001	INTERFACE CONTROL	4663	A114	\$177,000 HOSC
1222246	MEGA	M0650	7952240002	DISK DRIVE	4663	A124	\$3,302 HOSC
0102397	MESSERSCHMITT	SCS-100	301	SWITCH	4663	A114	\$198,400 HOSC
1283195	MICRO-NET	486/DX2-50	NONE FOUND	COMPUTER	4663	A109B	\$2,211 HOSC
1273117	MICROPOLIS CORP.	1528	2104577134	DISK DRIVE	4663	A223	\$2,380 HOSC
1273118	MICROPOLIS CORP.	1528	2104577062	DISK DRIVE	4663	A223	\$2,380 HOSC
G082882	MTI	MDI 276F	1234	DISK DRIVE	4663	A109	\$10,817 HOSC
G082879	MTI	MDI 476F	1257	DISK DRIVE	4663	A109	\$21,634 HOSC
G082880	MTI	MDI 476F	1226	DISK DRIVE	4663	A109	\$21,634 HOSC
G082881	MTI	MDI 476F	1285	DISK DRIVE	4663	A109	\$21,634 HOSC
G082883	MTI	MDI 76F	1157	DISK DRIVE	4663	A109	\$7,953 HOSC
G082884	MTI	MDI 76F	1197	DISK DRIVE	4663	A109	\$7,953 HOSC
G082885	MTI	MDI 76F	1020	DISK DRIVE	4663	A109	\$7,953 HOSC
1219097	NEC	4FG	21N02241C	MONITOR	4663	A300	\$785 HOSC
1219098	NEC	4FG	21N02151C	MONITOR	TZ	2105	\$785 HOSC
G082300	NEC	APC-H723	9200152	EXT DISK DRIVE	TZ	2021A	\$299 HOSC
G082029	NEC	APCH702XB	8Z09980UB	COMPUTER	TZ	2021A	\$8,038 HOSC
1399114	NEC	CDR 74	3707371GB	CD-ROM DRIVE	4650	208	\$450 HOSC
1399109	NEC	CDR 74	3707243GB	CD-ROM DRIVE	4663	A260	\$450 HOSC
1399110	NEC	CDR 74	3707242GB	CD-ROM DRIVE	4663	A260	\$450 HOSC
1399112	NEC	CDR 74	3707244GB	CD-ROM DRIVE	4663	A260	\$450 HOSC
1399115	NEC	CDR 74	3707369GB	CD-ROM DRIVE	4663	A260	\$450 HOSC
1399113	NEC	CDR 74	3707364GB	CD-ROM DRIVE	TZ	2105	\$450 HOSC
1399111	NEC	CDR-74	3707245GB	CD ROM DRIVE	TZ	2020B	\$450 HOSC
0008668	NEC	JC-1404HMA	95L14703M	MONITOR	TZ	2022B	\$850 HOSC
0008668	NEC	JC-1404HMA	95L14704M	MONITOR	TZ	3008B	\$850 HOSC
0008675	NEC	JC-1404HMA	95L14695M	MONITOR	TZ	3007A	\$850 HOSC
1268571	NEC	JC-1532VMA	29M06871C	MONITOR	4663	A124	\$847 HOSC
0008670	NEC	JC1404HMA	93K13372S	MONITOR	TZ	3004I	\$500 HOSC
1150187	NEC	JC1404HMA1	0YD01858	MONITOR	4663	M200	\$850 HOSC
0008664	NEC	JC1404HMA1	95L14685M	MONITOR	TZ	3004J	\$850 HOSC
0008672	NEC	JC1404HMA1	94K13497A	MONITOR	TZ	3002H	\$850 HOSC
1082047	NEC	JC1404HMA1	0XN18455	MONITOR	TZ	2005B	\$850 HOSC
1082049	NEC	JC1404HMA1	0XN18436	MONITOR	TZ	3011B	\$850 HOSC
1082050	NEC	JC1404HMA1	0XN18443	MONITOR	TZ	2000E	\$850 HOSC
1082051	NEC	JC1404HMA1	0XN18433	MONITOR	TZ	2108	\$500 HOSC
1082100	NEC	JC1404HMA1	0XM0527	MONITOR	TZ	2120	\$850 HOSC
1145549	NEC	JC1404HMA1	97L28378N	MONITOR	TZ	3003F	\$850 HOSC
1150180	NEC	JC1404HMA1	0YD00280	MONITOR	TZ	3022	\$850 HOSC
1150182	NEC	JC1404HMA1	0YD01129	MONITOR	TZ	3011C	\$850 HOSC
1150183	NEC	JC1404HMA1	0YD02204	MONITOR	TZ	2026	\$850 HOSC
1150184	NEC	JC1404HMA1	11D07382	MONITOR	TZ	2016B	\$850 HOSC
1150185	NEC	JC1404HMA1	11D07246	MONITOR	TZ	2005C	\$850 HOSC
1150191	NEC	JC1404HMA1	0YD01161	MONITOR	TZ	3026A	\$850 HOSC
1151603	NEC	JC1404HMA1	0ZD03675	MONITOR	TZ	3002F	\$850 HOSC
1151605	NEC	JC1404HMA1	14N19705	MONITOR	TZ	2008B	\$850 HOSC
1151606	NEC	JC1404HMA1	14M39787	MONITOR	TZ	2007A	\$850 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1151607	NEC	JC1404HMA1	14N19580	MONITOR	TZ	2008A	\$650	HOSC
1151608	NEC	JC1404HMA1	14N19734	MONITOR	TZ	2007C	\$650	HOSC
1151610	NEC	JC1404HMA1	14M39791	MONITOR	TZ	2005D	\$650	HOSC
1151612	NEC	JC1404HMA1	0ZD03672	MONITOR	TZ	2008A	\$650	HOSC
1151936	NEC	JC1404HMA1	16M47476	MONITOR	TZ	3005H	\$650	HOSC
1151937	NEC	JC1404HMA1	16M46995	MONITOR	TZ	3005C	\$650	HOSC
1151938	NEC	JC1404HMA1	16M47539	MONITOR	TZ	2025F	\$650	HOSC
1151939	NEC	JC1404HMA1	16M47351	MONITOR	TZ	3009C	\$650	HOSC
1151941	NEC	JC1404HMA1	16M47475	MONITOR	TZ	3009B	\$500	HOSC
1151943	NEC	JC1404HMA1	16M46998	MONITOR	TZ	3003A	\$500	HOSC
1151944	NEC	JC1404HMA1	16M47480	MONITOR	TZ	3005B	\$650	HOSC
1151946	NEC	JC1404HMA1	16M47478	MONITOR	TZ	3005E	\$650	HOSC
1151949	NEC	JC1404HMA1	16M47810	MONITOR	TZ	3026B	\$650	HOSC
1153001	NEC	JC1404HMA1	16M47816	MONITOR	TZ	3009A	\$650	HOSC
1153002	NEC	JC1404HMA1	16M47463	MONITOR	TZ	2014A	\$650	HOSC
1153004	NEC	JC1404HMA1	16M47473	MONITOR	TZ	2023B	\$650	HOSC
1153006	NEC	JC1404HMA1	16M47553	MONITOR	TZ	2023C	\$650	HOSC
1153007	NEC	JC1404HMA1	16M47462	MONITOR	TZ	2019C	\$650	HOSC
1153008	NEC	JC1404HMA1	16M47002	MONITOR	TZ	3006D	\$650	HOSC
1154746	NEC	JC1404HMA1	16M47729	MONITOR	TZ	3018	\$650	HOSC
1018041	NEC	JC1405HMA	05Q00415M	MONITOR	TZ	2010B	\$403	HOSC
1273381	NEC	JC2141UMA	32C00180A	MONITOR	TZ	2025	\$2,550	HOSC
1288616	NEC	JC2141VMA	26C02738A	MONITOR	TZ	2003B	\$2,834	HOSC
G029893	NEC	LC800	289225327	PRINTER	4663	A109	\$3,600	HOSC
0008905	NEC	LC890	00Z2987L1	PRINTER	TZ	2018A	\$3,254	HOSC
1013217	NEC	LC890	290704574	PRINTER	TZ	2104	\$3,482	HOSC
G081323	NEC	MULTISYNC 2A	92-M21608T	MONITOR	4663	M200	\$514	HOSC
0008671	NEC	MULTISYNC 3D	915L14688W	MONITOR	TZ	3006C	\$650	HOSC
1280506	NEC	MULTISYNC-2A	0YL01299D	MONITOR	4663	A105	\$489	HOSC
1218373	NEC	SILENTWRITER II	FTH01154	PRINTER	4663	A012	\$3,685	HOSC
0858492	NEC			MULTISYNC MONITOR	4610	CAVE		HOSC
0176469	NETWORK SYSTEMS	NMC2	0087	HYPERCHANNEL TESTER	4663	A109	\$7,500	HOSC
1268467	ODETICS	285-208 REV A	2231503	TIME CODE UNIT	4663	A114	\$4,503	HOSC
1268468	ODETICS	285-208 REV A	2231502	TIME CODE UNIT	4663	A109	\$4,503	HOSC
1268469	ODETICS	285-208 REV A	2231501	TIME CODE UNIT	4663	A114	\$4,503	HOSC
1402249	OKIDATA	GE5255A	402A0211930	PRINTER	4663	A109	\$0	HOSC
0676554	PACE INC	SX301	2407	DESOLDERING STATION	4663	M104	\$610	HOSC
1268331	PANASONIC	KX-P1180	D167800	PRINTER	4663	A010	\$363	HOSC
1152300	PANASONIC	KX-P1624	IGMATJ13490	PRINTER	4663	A214	\$379	HOSC
1153291	PANASONIC			MONITOR	4610	CAVE		HOSC
1221958	PANASONIC			VCR	4610	CAVE		HOSC
0083078	PERKIN ELMER	027-150	22849	TERMINAL	4663	A109	\$950	HOSC
1218809	PERKIN ELMER	027-150	81502	MONITOR	4663	A109	\$700	HOSC
0353625	PERKIN ELMER	127-150	31463	TERMINAL	4663	A109	\$700	HOSC
0286785	PERKIN ELMER	3244	4-160	COMPUTER	4663	A109	\$33,850	HOSC
0243339	PERKIN ELMER	3250XP	8619208	POWER PACK	4663	A109	\$44,800	HOSC
0353623	PERKIN ELMER	3254MPS	8620092	COMPUTER	4663	A105	\$72,725	HOSC
0416837	PERKIN ELMER	3254MPS	8300109	COMPUTER	4663	A109	\$292,220	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0287101	PERKIN ELMER	3284MPS	8517528	COMPUTER	4663	A109	\$269,703	HOSC
0353622	PERKIN ELMER	3284MPS	8620085	COMPUTER	4663	A109	\$72,725	HOSC
0287100	PERKIN ELMER	3284XP	8517529	COMPUTER	4663	A109	\$271,167	HOSC
0062799	PERKIN ELMER	3284MPS	8790945	COMPUTER	4663	A109	\$385,937	HOSC
0176268	PERKIN ELMER	M37-064	8621264	CHASSIS, ELECTRICAL	4663	A109	\$36,630	HOSC
1145884	PHILIPS	LOGIC ANALYZE	A089235	LOGIC ANALYZER	4663	A105	\$10,293	HOSC
1283267	PLASMACO			PLASMA DISPLAY (21.3")	4610	CAVE		HOSC
G029732	PRINT DIRECTOR			SPOOLER	4663	M203	\$516	HOSC
0175727	QMS	800	1104379	PRINTER	4663	A105	\$1,500	HOSC
0175728	QMS	800	PBA14814	PRINTER	4663	A105	\$5,930	HOSC
1016782	QMS	COLORSCRIPT 100		PRINTER	4663	A223	\$6,435	HOSC
1016783	QMS	COLORSCRIPT 100		CONTROLLER	4663	A223	\$5,000	HOSC
1268451	QMS	PS2000-1	Q0051653	PRINTER	TZ	HALL	\$11,046	HOSC
1219016	QMS	PS2210-1	Q0047206	PRINTER	TZ	2011A	\$8,495	HOSC
1219291	QMS	PS410	Q0042144	PRINTER	4663	M200	\$1,550	HOSC
1146744	QUME	PS410-1	H0031901	PRINTER	TZ	2100	\$1,733	HOSC
1283296	RASTER OPS	2075RO	2003167	MONITOR	4663	A265	\$1,999	HOSC
1283297	RASTER OPS	2075RO	2003453	MONITOR	4663	A265	\$1,999	HOSC
1283295	RASTOR OPS	2075RO	2003296	MONITOR	4663	A267	\$1,999	HOSC
1269591	RAYCOM	FD100-0R81	279200038	ENET BACKBONE BRIDGE	4663	A223	\$18,540	HOSC
1219005	RECORTEC	66267	138EM000120488	MONITOR	4663	A124	\$720	HOSC
1146216	RECORTEC	MITSUBA710VH	041CB1C0444	MONITOR	4663	A109B	\$720	HOSC
1146217	RECORTEC	PC 386	911087	COMPUTER	4663	A109B	\$4,115	HOSC
1285788	RELIABLE COMM. INC	RS-DBS8	39364	SUPER BUFFER	4663	A109	\$1,267	HOSC
1287636	RELIABLE COMM. INC	RS-DBS8	39365	SUPER BUFFER	4663	A109	\$1,267	HOSC
1279227	RHINO	XR-3/MARK III		ROBOT/ENCODER	4610	CAVE		HOSC
1268450	RICOH	NONE	0012933	SHEET FEEDER	TZ	HALL	\$2,971	HOSC
1287055	RTI	6120	61-0284	TAPE CERTIFIER	4663	A114	\$22,145	HOSC
G082071	SAMSUNG	CM4531	9100930	MONITOR	4663	A275	\$650	HOSC
G082066	SAMSUNG	CM4531	91001097	MONITOR	TZ	3002B	\$650	HOSC
G082067	SAMSUNG	CM4531	91001908	MONITOR	TZ	2013B	\$650	HOSC
1222414	SEAGATE	9720-1230	24679	DISK DRIVE	4663	A109	\$3,100	HOSC
1222415	SEAGATE	9720-1230	2815	DISK DRIVE	4663	A109	\$3,100	HOSC
1222416	SEAGATE	9720-1230	503200	DISK DRIVE	4663	A109	\$3,100	HOSC
1222417	SEAGATE	9720-1230	14865	DISK DRIVE	4663	A109	\$3,100	HOSC
1222421	SEAGATE	9720-1230	511501	DISK DRIVE	4663	A105	\$3,100	HOSC
1222422	SEAGATE	9720-1230	ME523685	DISK DRIVE	4663	A109	\$3,100	HOSC
1222423	SEAGATE	9720-1230	ME523785	DISK DRIVE	4663	A109	\$3,100	HOSC
1222424	SEAGATE	9720-1230	507614	DISK DRIVE	4663	A109	\$3,100	HOSC
1222425	SEAGATE	9720-1230	511109	DISK DRIVE	4663	A109	\$3,100	HOSC
1222426	SEAGATE	9720-1230	510150	DISK DRIVE	4663	A109	\$3,100	HOSC
1222427	SEAGATE	9720-1230	17821	DISK DRIVE	4663	A109	\$3,100	HOSC
1222428	SEAGATE	9720-1230	18996	DISK DRIVE	4663	A109	\$3,100	HOSC
1222429	SEAGATE	9720-1230	23019	DISK DRIVE	4663	A109	\$3,100	HOSC
1222430	SEAGATE	9720-1230	509764	DISK DRIVE	4663	A109	\$3,100	HOSC
1222431	SEAGATE	9720-1230	512058	DISK DRIVE	4663	A109	\$3,100	HOSC
1222432	SEAGATE	9720-1230	6774	DISK DRIVE	4663	A109	\$3,100	HOSC
1285944	SEAGATE	9720-1230	ME525547	DISK DRIVE	4663	A109	\$3,100	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1285945	SEAGATE	9720-1230	ME510135	DISK DRIVE	4663	A109	\$3,100 HOSC
1285946	SEAGATE	9720-1230	ME750080	DISK DRIVE	4663	A109	\$3,100 HOSC
1285949	SEAGATE	9720-1230	ME515933	DISK DRIVE	4663	A109	\$3,100 HOSC
1287769	SEAGATE	HI-PER 2500E	MH819263	DISK DRIVE	4663	A109	\$7,800 HOSC
1287770	SEAGATE	HI-PER 2500E	MH819126	DISK DRIVE	4663	A109	\$10,450 HOSC
1146107	SEAGATE	ST81236J	ME001947	DISK DRIVE	4663	A109	\$8,750 HOSC
1283245	SEAGATE	ST82500J	MH818673	DISK DRIVE	4663	A109	\$7,000 HOSC
1283246	SEAGATE	ST82500J	MH818219	DISK DRIVE	4663	A109	\$10,500 HOSC
999999999	SEAGATE?	UNKNOWN	UNKNOWN	SCSI DISK DRIVE	4663	A109B	\$0 HOSC
1268509	SEIKO	CM1450	13M2606A	MONITOR	4663	M104	\$650 HOSC
1268491	SEIKO	CM1450	1CM9284A	MONITOR	TZ	3016B	\$650 HOSC
1269241	SEIKO	CM1450	1CM8579A	MONITOR	TZ	3025D	\$650 HOSC
1269243	SEIKO	CM1450	1CM8615A	MONITOR	TZ	2002B	\$650 HOSC
1269244	SEIKO	CM1450	1CM8565A	MONITOR	TZ	2018C	\$650 HOSC
1269245	SEIKO	CM1450	1CM8879A	MONITOR	TZ	3004C	\$1,925 HOSC
1269246	SEIKO	CM1450	11S7423A	MONITOR	TZ	3002C	\$650 HOSC
1269247	SEIKO	CM1450	1CM8769A	MONITOR	TZ	3006A	\$650 HOSC
1269249	SEIKO	CM1450	1CM8950A	MONITOR	TZ	2019D	\$650 HOSC
1269250	SEIKO	CM1450	1CM8854A	MONITOR	TZ	3007D	\$650 HOSC
1269251	SEIKO	CM1450	1CM8770A	MONITOR	TZ	3008A	\$1,925 HOSC
1269252	SEIKO	CM1450	1CM8752	MONITOR	TZ	3001B	\$650 HOSC
1269253	SEIKO	CM1450	1CM8678A	MONITOR	TZ	2016B	\$650 HOSC
1269255	SEIKO	CM1450	1CM8895A	MONITOR	TZ	2023A	\$650 HOSC
1269256	SEIKO	CM1450	1CM8638A	MONITOR	TZ	3025C	\$650 HOSC
1269257	SEIKO	CM1450	1CM8520A	MONITOR	TZ	2013C	\$650 HOSC
1269263	SEIKO	CM1450	1CM8705A	MONITOR	TZ	2000A	\$650 HOSC
1269264	SEIKO	CM1450	1CM8602A	MONITOR	TZ	3012B	\$650 HOSC
1269265	SEIKO	CM1450	1CM8637A	MONITOR	TZ	3007F	\$650 HOSC
1269266	SEIKO	CM1450	11M1258A	MONITOR	TZ	3023B	\$650 HOSC
1269267	SEIKO	CM1450	17M6237A	MONITOR	TZ	3000A	\$650 HOSC
1269269	SEIKO	CM1450	11S7456A	MONITOR	TZ	3016C	\$650 HOSC
1269271	SEIKO	CM1450	1CM8746A	MONITOR	TZ	3003E	\$650 HOSC
1269272	SEIKO	CM1450	11M1231A	MONITOR	TZ	3008D	\$650 HOSC
1269273	SEIKO	CM1450	1CM8530A	MONITOR	TZ	3014A	\$650 HOSC
1269275	SEIKO	CM1450	1CM8956A	MONITOR	TZ	3005F	\$650 HOSC
1269276	SEIKO	CM1450	1CM8519A	MONITOR	TZ	3026C	\$650 HOSC
1269277	SEIKO	CM1450	1CM8549A	MONITOR	TZ	3026D	\$650 HOSC
1269278	SEIKO	CM1450	1CM8649A	MONITOR	TZ	3001A	\$1,925 HOSC
1269279	SEIKO	CM1450	1CM8564A	MONITOR	TZ	3013B	\$650 HOSC
1269280	SEIKO	CM1450	1CM8677A	MONITOR	TZ	3004H	\$650 HOSC
1269281	SEIKO	CM1450	1CM8946A	MONITOR	TZ	3012A	\$650 HOSC
1269282	SEIKO	CM1450	1CM8825A	MONITOR	TZ	3025G	\$650 HOSC
1269283	SEIKO	CM1450	1CM8518A	MONITOR	TZ	3012C	\$650 HOSC
1269285	SEIKO	CM1450	1CM8608A	MONITOR	TZ	3002A	\$650 HOSC
1269287	SEIKO	CM1450	1CM8505A	MONITOR	TZ	3004E	\$650 HOSC
1269288	SEIKO	CM1450	1CM8605A	MONITOR	TZ	3004F	\$650 HOSC
1269289	SEIKO	CM1450	1CM8603A	MONITOR	TZ	2019A	\$650 HOSC
1269290	SEIKO	CM1450	1CM8936A	MONITOR	TZ	2018A	\$650 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1269291	SEIKO	CM1450	17M6247A	MONITOR	TZ	2025C	\$650	HOSC
1269292	SEIKO	CM1450	1CM8667A	MONITOR	TZ	3014C	\$650	HOSC
1269294	SEIKO	CM1450	1CM8618A	MONITOR	TZ	3012D	\$650	HOSC
1269295	SEIKO	CM1450	1CM8811A	MONITOR	TZ	3025F	\$650	HOSC
1269296	SEIKO	CM1450	1CM8669A	MONITOR	TZ	3002B	\$650	HOSC
1269298	SEIKO	CM1450	17M6279A	MONITOR	TZ	3013A	\$650	HOSC
1269299	SEIKO	CM1450	1CM8919A	MONITOR	TZ	3023A	\$650	HOSC
1269300	SEIKO	CM1450	17M6233A	MONITOR	TZ	3025A	\$650	HOSC
1269301	SEIKO	CM1450	1CM8544A	MONITOR	TZ	3014D	\$650	HOSC
1269302	SEIKO	CM1450	1CM8817A	MONITOR	TZ	3008F	\$650	HOSC
1269304	SEIKO	CM1450	1CM8858A	MONITOR	TZ	2016B	\$650	HOSC
1269305	SEIKO	CM1450	1CM8503A	MONITOR	TZ	3002C	\$650	HOSC
1269306	SEIKO	CM1450	1CM8814A	MONITOR	TZ	3025E	\$650	HOSC
1269307	SEIKO	CM1450	1CM8757A	MONITOR	TZ	2025A	\$650	HOSC
1269308	SEIKO	CM1450	1CM8780A	MONITOR	TZ	3025H	\$650	HOSC
1269309	SEIKO	CM1450	1CM8811A	MONITOR	TZ	3013C	\$650	HOSC
1269311	SEIKO	CM1450	1CM8896A	MONITOR	TZ	2015A	\$650	HOSC
1269228	SEIKO	CM1450C	1CM8508A	MONITOR	4663	A124	\$650	HOSC
1269234	SEIKO	CM1450C	1CM8774A	MONITOR	TZ	2008C	\$650	HOSC
1269239	SEIKO	CM1450C	1CM8817A	MONITOR	TZ	2003A	\$650	HOSC
1269240	SEIKO	CM1450C	1CM8777A	MONITOR	TZ	2006C	\$650	HOSC
1269242	SEIKO	CM1450C	1CM8156A	MONITOR	TZ	2000D	\$650	HOSC
1269254	SEIKO	CM1450C	1CM8953A	MONITOR	TZ	2006D	\$650	HOSC
1269261	SEIKO	CM1450C	1CM8540A	MONITOR	TZ	2025C	\$650	HOSC
1269268	SEIKO	CM1450C	1CM8898A	MONITOR	TZ	3018	\$650	HOSC
1269284	SEIKO	CM1450C	1CM8952A	MONITOR	TZ	2014B	\$650	HOSC
1269293	SEIKO	CM1450C	1CM8673A	MONITOR	TZ	2015B	\$650	HOSC
1269297	SEIKO	CM1450C	1CM8606A	MONITOR	TZ	2000F	\$650	HOSC
1269303	SEIKO	CM1450C	1CM8831A	MONITOR	TZ	2018D	\$650	HOSC
1269310	SEIKO	CM1450C	1CM8948A	MONITOR	TZ	2001	\$650	HOSC
1402126	SGI	0664M1H	S80G57225702533	DISK DRIVE	4663	A109	\$4,320	HOSC
1402127	SGI	0664M1H	S80G57225702535	DISK DRIVE	4663	A109	\$4,320	HOSC
1221957	SGI	40/320VGX	0013416	COMPUTER, MINI	4610	2073	\$44,500	HOSC
1146081	SGI	4D/310 VGX		COMPUTER	4610	CAVE		HOSC
1221957	SGI	4D/320 VGX		COMPUTER	4610	CAVE		HOSC
1016858	SGI	CM2086A3SG	Y90006146	DISPLAY UNIT	4610	1027	\$4,000	HOSC
1146080	SGI	CM2086A3SG	Y0J001799	DISPLAY UNIT	4610	2073	\$1,500	HOSC
1283198	SGI	CM2187ME	Y2H000237	MONITOR	4663	A109	\$5,000	HOSC
1221956	SGI	CMA2086A3SG	Y9F000511	DISPLAY UNIT	4610	2073	\$5,000	HOSC
1281764	SGI	CMN-A006	S25924	POWER IRIS (DOBBs)	4492	116B	\$223,450	HOSC
1402028	SGI	CMN-A11	S35247	COMPUTER	4663	A109	\$78,750	HOSC
1279371	SGI	CMNA008	S25656	COMPUTER	4663	A109	\$63,335	HOSC
1441101	SGI	CMNA011	S36364	COMPUTER, MINI	4610	1016	\$74,692	HOSC
1402062	SGI	CMNA011	S35657	COMPUTER	4663	A109	\$68,890	HOSC
1441023	SGI	CMNA011	S36457	COMPUTER	4663	A109	\$59,600	HOSC
1268420	SGI	CMNB003	35014863	COMPUTER, MICRO	4610	1027	\$16,956	HOSC
1398138	SGI	CMNB006	08006907ED7E	COMPUTER	4493	105	\$15,243	HOSC
1398139	SGI	CMNB006	08006907EE01	COMPUTER	4493	105	\$15,243	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1288099	SGI	CMNB006	080069075E8A	COMPUTER, MICRO	4610	1013	\$16,268 HOSC
1288100	SGI	CMNB006	080069075E8E	COMPUTER, MICRO	4610	1014	\$16,268 HOSC
1401629	SGI	CMNB006	80069077886	COMPUTER, MICRO	4610	1027	\$10,564 HOSC
1288111	SGI	CMNB006	080069075E8B	COMPUTER	4663	A300	\$13,826 HOSC
1401276	SGI	CMNB006	08006907BFD6	COMPUTER	4663	A109	\$14,206 HOSC
1288101	SGI	CMNB006	080069075E91	COMPUTER	TZ	2017B	\$13,826 HOSC
1288102	SGI	CMNB006	080069075E93	COMPUTER	TZ	2109B	\$13,826 HOSC
1288103	SGI	CMNB006	080069075E33	COMPUTER	TZ	2023C	\$13,826 HOSC
1288104	SGI	CMNB006	080069075E8D	COMPUTER	TZ	2024B	\$13,826 HOSC
1288105	SGI	CMNB006	080069075E43	COMPUTER	TZ	3017C	\$13,826 HOSC
1288106	SGI	CMNB006	080069075E44	COMPUTER	TZ	3017A	\$13,826 HOSC
1288107	SGI	CMNB006	080069075E84	COMPUTER	TZ	3024B	\$13,826 HOSC
1288108	SGI	CMNB006	080069075E85	COMPUTER	TZ	3024C	\$13,826 HOSC
1288109	SGI	CMNB006	080069075E3B	COMPUTER	TZ	3024D	\$13,826 HOSC
1288110	SGI	CMNB006	080069075E89	COMPUTER	TZ	3002G	\$13,826 HOSC
1288112	SGI	CMNB006	080069075E8C	COMPUTER	TZ	3002I	\$13,826 HOSC
1288140	SGI	CMNB006	080069075E42	COMPUTER	TZ	3017B	\$13,826 HOSC
1401632	SGI	CMNB006	080069077893	COMPUTER	TZ	3025F	\$10,564 HOSC
1401635	SGI	CMNB006	080069077887	COMPUTER	TZ	2009B	\$10,564 HOSC
1401638	SGI	CMNB006	08006907788C	COMPUTER	TZ	2009D	\$10,564 HOSC
1401641	SGI	CMNB006	080069077895	COMPUTER	TZ	3025B	\$10,564 HOSC
0010789	SGI	CMNB006B	0001707	CAMERA	TZ	2017B	\$945 HOSC
1398142	SGI	CMNB006C	0018995	CAMERA	4493	105	\$945 HOSC
1398143	SGI	CMNB006C	0020673	CAMERA	4493	105	\$945 HOSC
0010785	SGI	CMNB006C	0001644	CAMERA-RECORDING, VIDE	4610	1014	\$945 HOSC
0010787	SGI	CMNB006C	0001639	CAMERA-RECORDING, VIDE	4610	1013	\$945 HOSC
1401630	SGI	CMNB006C	0024882	CAMERA-RECORDING, VIDE	4610	1027	\$945 HOSC
1402319	SGI	CMNB006C	0029820	CAMERA-RECORDING, VIDE	4610	1027	\$945 HOSC
0010793	SGI	CMNB006C	0001648	CAMERA	4663	A300	\$945 HOSC
1401278	SGI	CMNB006C	0022402	CAMERA	4663	A109	\$945 HOSC
1402301	SGI	CMNB006C	0029896	CAMERA	4663	A109	\$0 HOSC
1402304	SGI	CMNB006C	0029909	CAMERA	4663	A109	\$0 HOSC
1402307	SGI	CMNB006C	0031043	CAMERA	4663	A109	\$0 HOSC
1402310	SGI	CMNB006C	0029781	CAMERA	4663	A109	\$0 HOSC
1402313	SGI	CMNB006C	0029969	CAMERA	4663	A109	\$0 HOSC
1402316	SGI	CMNB006C	0029892	CAMERA	4663	A109	\$0 HOSC
1402322	SGI	CMNB006C	0031037	CAMERA	4663	A109	\$0 HOSC
1402325	SGI	CMNB006C	0029834	CAMERA	4663	A109	\$0 HOSC
1402328	SGI	CMNB006C	0030959	CAMERA	4663	A109	\$0 HOSC
1402331	SGI	CMNB006C	0029849	CAMERA	4663	A109	\$0 HOSC
1402334	SGI	CMNB006C	0029981	CAMERA	4663	A109	\$0 HOSC
1402337	SGI	CMNB006C	0029777	CAMERA	4663	A109	\$0 HOSC
1441025	SGI	CMNB006C	0035588	CAMERA	4663	A109	\$945 HOSC
0010782	SGI	CMNB006C	0005133	CAMERA	TZ	3017C	\$945 HOSC
0010783	SGI	CMNB006C	0004190	CAMERA	TZ	3017A	\$945 HOSC
0010784	SGI	CMNB006C	0001783	CAMERA	TZ	3024B	\$945 HOSC
0010786	SGI	CMNB006C	0001652	CAMERA	TZ	2023C-	\$945 HOSC
0010788	SGI	CMNB006C	0001820	CAMERA	TZ	2109B	\$945 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0010790	SGI	CMNB006C	0001852	CAMERA	TZ	2024B	\$945	HOSC
0010791	SGI	CMNB006C	0001789	CAMERA	TZ	3024D	\$945	HOSC
0010792	SGI	CMNB006C	0004219	CAMERA	TZ	3017B	\$945	HOSC
0010794	SGI	CMNB006C	0001642	CAMERA	TZ	3002I	\$945	HOSC
0010795	SGI	CMNB006C	0001759	CAMERA	TZ	3024C	\$945	HOSC
0010796	SGI	CMNB006C	0001647	CAMERA	TZ	3002G	\$945	HOSC
1401633	SGI	CMNB006C	0023912	CAMERA	TZ	3025F	\$945	HOSC
1401636	SGI	CMNB006C	0023986	CAMERA	TZ	2009B	\$945	HOSC
1401639	SGI	CMNB006C	0023997	CAMERA	TZ	2009D	\$945	HOSC
1401642	SGI	CMNB006C	0023985	CAMERA	TZ	3025B	\$945	HOSC
1402320	SGI	CMNB006Y66	08006907C523	COMPUTER, MICRO	4610	1027	\$14,200	HOSC
1402302	SGI	CMNB006Y66	08006907A7D8	COMPUTER	4663	A109	\$10,783	HOSC
1402305	SGI	CMNB006Y66	08006907A7D0	COMPUTER	4663	A109	\$10,783	HOSC
1402308	SGI	CMNB006Y66	08006907C564	COMPUTER	4663	A109	\$10,783	HOSC
1402311	SGI	CMNB006Y66	08006907C51B	COMPUTER	4663	A109	\$10,783	HOSC
1402314	SGI	CMNB006Y66	08006907A7D1	COMPUTER	4663	A109	\$10,783	HOSC
1402317	SGI	CMNB006Y66	08006907A7D2	COMPUTER	4663	A109	\$10,783	HOSC
1402323	SGI	CMNB006Y66	08006907C3AC	COMPUTER	4663	A109	\$10,783	HOSC
1402326	SGI	CMNB006Y66	08006907C468	COMPUTER	4663	A109	\$10,783	HOSC
1402329	SGI	CMNB006Y66	08006907C521	COMPUTER	4663	A109	\$10,783	HOSC
1402332	SGI	CMNB006Y66	08006907C469	COMPUTER	4663	A109	\$10,783	HOSC
1402335	SGI	CMNB006Y66	08006907C565	COMPUTER	4663	A109	\$10,783	HOSC
1402338	SGI	CMNB006Y66	08006907C563	COMPUTER	4663	A109	\$10,783	HOSC
1441024	SGI	CMNB006Y66	08006907B59F	COMPUTER	4663	A109	\$14,206	HOSC
1441021	SGI	CMNB007Y75	0800690762D2	COMPUTER, MICRO	4610	1429A	\$29,831	HOSC
1441019	SGI	CMNB007Y75	080069061294	COMPUTER	4663	A109	\$19,658	HOSC
1402124	SGI	D-45602-S2	S36023	COMPUTER	4663	A109	\$68,890	HOSC
1401655	SGI	GDM-17E11	2004755	MONITOR	4663	A124	\$1,195	HOSC
1401656	SGI	GDM-17E11	2004742	MONITOR	4663	A124	\$1,195	HOSC
1401277	SGI	GDM-20D11	20220777	MONITOR	4663	A109	\$1,440	HOSC
1401634	SGI	GDM-20D11	20212362	MONITOR	TZ	3025F	\$1,440	HOSC
1401637	SGI	GDM-20D11	2024254	MONITOR	TZ	2009D	\$1,440	HOSC
1401640	SGI	GDM-20D11	2021233	MONITOR	TZ	2009B	\$1,440	HOSC
1401643	SGI	GDM-20D11	2021237	MONITOR	TZ	3025B	\$1,440	HOSC
1398140	SGI	GDM17E11	2009523	MONITOR	4493	105	\$1,440	HOSC
1398141	SGI	GDM17E11	2010367	MONITOR	4493	105	\$1,440	HOSC
1288129	SGI	GDM20D11	2002469	MONITOR	4610	1007	\$1,440	HOSC
1401506	SGI	GDM20D11	2006191	DISPLAY UNIT	4610	1014	\$1,440	HOSC
1401631	SGI	GDM20D11	2021235	DISPLAY UNIT	4610	1027	\$1,440	HOSC
1402321	SGI	GDM20D11	2404548	DISPLAY UNIT	4610	1027	\$1,440	HOSC
1440812	SGI	GDM20D11	2004586	DISPLAY UNIT	4610	1007	\$1,440	HOSC
1441022	SGI	GDM20D11	2406198	DISPLAY UNIT	4610	1429A	\$1,440	HOSC
1402303	SGI	GDM20D11	2404701	MONITOR	4663	A109	\$1,440	HOSC
1402306	SGI	GDM20D11	2404722	MONITOR	4663	A109	\$1,440	HOSC
1402309	SGI	GDM20D11	2404700	MONITOR	4663	A109	\$1,440	HOSC
1402312	SGI	GDM20D11	2404535	MONITOR	4663	A109	\$1,440	HOSC
1402315	SGI	GDM20D11	2404724	MONITOR	4663	A109	\$1,440	HOSC
1402318	SGI	GDM20D11	2404703	MONITOR	4663	A109	\$1,440	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1402324	SGI	GDM20D11	2040702	MONITOR	4663	A109	\$1,440 HOSC
1402327	SGI	GDM20D11	2404695	MONITOR	4663	A109	\$1,440 HOSC
1402330	SGI	GDM20D11	2404704	MONITOR	4663	A109	\$1,440 HOSC
1402333	SGI	GDM20D11	2404723	MONITOR	4663	A109	\$1,440 HOSC
1402338	SGI	GDM20D11	2404498	MONITOR	4663	A109	\$1,440 HOSC
1402339	SGI	GDM20D11	2404484	MONITOR	4663	A109	\$1,440 HOSC
1440813	SGI	GDM20D11	2008233	MONITOR	4663	A300	\$1,440 HOSC
1441020	SGI	GDM20D11	2408200	MONITOR	4663	A109	\$1,440 HOSC
1441026	SGI	GDM20D11	2407349	MONITOR	4663	A109	\$1,440 HOSC
1440800	SGI	GDM20D11	2008519	MONITOR	TZ	2024B	\$1,440 HOSC
1440801	SGI	GDM20D11	2024284	MONITOR	TZ	2023C	\$1,440 HOSC
1440802	SGI	GDM20D11	2003205	MONITOR	TZ	2017B	\$1,440 HOSC
1440803	SGI	GDM20D11	2004218	MONITOR	TZ	2109B	\$1,440 HOSC
1440804	SGI	GDM20D11	2006693	MONITOR	TZ	3024D	\$1,440 HOSC
1440805	SGI	GDM20D11	2023258	MONITOR	TZ	3024B	\$1,440 HOSC
1440806	SGI	GDM20D11	2010170	MONITOR	TZ	3024C	\$1,440 HOSC
1440807	SGI	GDM20D11	2008015	MONITOR	TZ	3002G	\$1,440 HOSC
1440808	SGI	GDM20D11	2004582	MONITOR	TZ	3002I	\$1,440 HOSC
1440810	SGI	GDM20D11	2008829	MONITOR	TZ	3017C	\$1,440 HOSC
1440811	SGI	GDM20D11	2020126	MONITOR	TZ	3017A	\$1,440 HOSC
1440830	SGI	GDM20D11	2022857	MONITOR	TZ	3017B	\$1,440 HOSC
1268421	SGI	HL7965KW-SG	208009117	DISPLAY UNIT	4610	1027	\$1,580 HOSC
1146081	SGI	IRIS 4D310VGX	S16120	COMPUTER, MINI	4610	2073	\$58,425 HOSC
0730659	SGI	IRIS JUKEBOX	4007695	JUKEBOX	TZ	3018	\$11,629 HOSC
1402029	SGI	JUKEBOX	4009238	OPTICAL JUKEBOX	4663	A109	\$11,629 HOSC
1402030	SGI	JUKEBOX	4009253	OPTICAL JUKEBOX	4663	A109	\$11,629 HOSC
1016857	SGI	NCMAD04	16086	COMPUTER, MINI	4610	1027	\$99,660 HOSC
1402031	SGI	NONE	4009240	OPTICAL JUKEBOX	4663	A109	\$11,629 HOSC
1402032	SGI	NONE	4009239	OPTICAL JUKEBOX	4663	A109	\$11,629 HOSC
1402033	SGI	P-S-VXL	35223	COMPUTER	4663	A109	\$48,715 HOSC
1402063	SGI	P-S-VXL	35500	COMPUTER	4663	A109	\$41,891 HOSC
1402125	SGI	P-S-VXL12	35999	COMPUTER	4663	A109	\$43,600 HOSC
1441102	SGI	PS-VXL-12	0036520	COMPUTER, MAINFRAME	4610	1016	\$8,288 HOSC
1402034	SGI	R-45802-S2	S35248	COMPUTER	4663	A109	\$216,942 HOSC
1402035	SGI	R-45802-S2	S35249	COMPUTER	4663	A109	\$216,942 HOSC
1288222	SGI	R-45802-S2	S32511	CHALLENGE XL	TZ	3018	\$216,937 HOSC
1146080	SGI			MONITOR	4610	CAVE	HOSC
1221956	SGI			MONITOR	4610	CAVE	HOSC
1279660	SHIVA	FASTPATH 5	F5117157	FASTPATH 5	4663	A209	\$849 HOSC
1079828	SHURE	ST3000		TELECONFERENCE MIKE	4610	CAVE	HOSC
1152290	SHURE			TELECONFERENCE MIKE	4610	CAVE	HOSC
1268842	SIEKO	CM1450	17M5934A	MONITOR	TZ	3016A	\$650 HOSC
1402145	SONY	17SE	7003696	MONITOR	TZ	2102	\$948 HOSC
1834597	SONY	CPD1302	5013783	MONITOR	4663	A124	\$710 HOSC
1146579	SONY	GDM-1950	5504321	MONITOR	4663	A273	\$3,576 HOSC
1399156	SONY	GDM17E11	7000765	MONITOR	4492	1051	\$1,590 HOSC
1017456	SONY	HG	5024243	MONITOR	TZ	2019B	\$2,000 HOSC
1441110	SONY			MONITOR	4746	146	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0286602	SPECTRACOM CORP	8170	8170-0601	CLOCK RECEIVER	4663	A109	\$3,267	HOSC
0287237	STC	1950	7202	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287238	STC	1950	7092	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287239	STC	1950	7489	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287240	STC	1950	7196	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287241	STC	1950	7271	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287242	STC	1950	7204	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287243	STC	1950	7288	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287244	STC	1950	7198	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287245	STC	1950	7335	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287246	STC	1950	7208	TAPE DRIVE	4663	A109	\$14,490	HOSC
0287247	STC	1950	7194	TAPE DRIVE	4663	A109	\$32,445	HOSC
0103144	STC	1960	6804314	TAPE DRIVE	4663	A109	\$11,703	HOSC
0103147	STC	1960	6804315	TAPE DRIVE	4663	A109	\$11,703	HOSC
0543096	STC	1960	6800517	TAPE DRIVE	4663	A109	\$11,400	HOSC
0103145	STC	1960	6804311	TAPE DRIVE	TZ	2ND FL	\$11,703	HOSC
0540989	STC	1961	6800217	TAPE DRIVE	4663	A109	\$32,500	HOSC
0540990	STC	1961	6800358	TAPE DRIVE	4663	A109	\$15,000	HOSC
0541781	STC	1961	680096	TAPE DRIVE	TZ	2ND FL	\$12,500	HOSC
0441823	STC	1963	6800359	TAPE DRIVE	4663	A109	\$13,500	HOSC
1146102	STC	1963	680068	TAPE DRIVE	4663	A109	\$8,750	HOSC
1146103	STC	1963	6801558	TAPE DRIVE	4663	A109	\$8,750	HOSC
1146104	STC	1963	6800453	TAPE DRIVE	4663	A109	\$8,750	HOSC
0242748	STC	1963	68803356	TAPE DRIVE	TZ	2ND FL	\$16,856	HOSC
0541762	STC	1966	680067	TAPE DRIVE	4663	A109	\$22,000	HOSC
0103146	STC	1968	6804288	TAPE DRIVE	4663	A109	\$2,192	HOSC
0103148	STC	1968	6804287	TAPE DRIVE	4663	A109	\$21,192	HOSC
0103149	STC	1968	6804286	TAPE DRIVE	4663	A109	\$21,192	HOSC
0242747	STC	1968	6803370	TAPE DRIVE	4663	A109	\$29,536	HOSC
0242777	STC	1968	6803392	TAPE DRIVE	4663	A109	\$20,492	HOSC
0242778	STC	1968	6803391	TAPE DRIVE	4663	A109	\$20,492	HOSC
0242781	STC	1968	6803279	TAPE DRIVE	4663	A105	\$11,903	HOSC
0441822	STC	1968	6801506	TAPE DRIVE	4663	A109	\$23,500	HOSC
0543092	STC	1968	6801600	TAPE DRIVE	4663	A109	\$21,000	HOSC
0543094	STC	1968	6800516	TAPE DRIVE	4663	A109	\$12,300	HOSC
0543095	STC	1968	6800515	TAPE DRIVE	4663	A109	\$11,400	HOSC
1145901	STC	1968	6804656	TAPE DRIVE	4663	A109	\$13,296	HOSC
1146101	STC	1968	681509	TAPE DRIVE	4663	A109	\$13,250	HOSC
0242779	STC	1968	6803278	TAPE DRIVE	TZ	2ND FL	\$11,903	HOSC
0242780	STC	1968	6803277	TAPE DRIVE	TZ	2ND FL	\$11,903	HOSC
0242782	STC	1968	6803276	TAPE DRIVE	TZ	2ND FL	\$11,903	HOSC
0543099	STC	1968	6800522	TAPE DRIVE	TZ	2ND FL	\$12,300	HOSC
1282689	SUMITOMO	35SE-SPH	546C	FUSION SPLICING SYS	4663	A124	\$27,250	HOSC
1013597	SUN	1267	337E0423	COMPUTER, MINI	4610	1027	\$65,150	HOSC
1273115	SUN	144	250F3878	COMPUTER, MICRO	4610	2073	\$12,853	HOSC
1400361	SUN	144	410F0077	COMPUTER, MICRO	4610	1049	\$8,037	HOSC
G024029	SUN	147	939F4084	COMPUTER, MICRO	4610	1010	\$11,007	HOSC
1153450	SUN	147B	12"F1837	COMPUTER, MICRO	4610	1027	\$15,617	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1153452	SUN	147B	125F0696	COMPUTER, MICRO	4610	1027	\$15,617 HOSC
1223223	SUN	147B	212F1405	COMPUTER, MICRO	4610	1027	\$6,407 HOSC
1221337	SUN	147B	220F0983	COMPUTER	4663	A010	\$7,000 HOSC
1153567	SUN	147B	124F5502	COMPUTER	TZ	3005A	\$12,587 HOSC
1153563	SUN	365-1089-02	9127809545	PRINTER	TZ	2005A	\$1,887 HOSC
1273086	SUN	3651112-01	9116CY3564	MONITOR	TZ	3013D	\$5,000 HOSC
1225395	SUN	4/75	214F0203	COMPUTER	TZ	3006F	\$6,407 HOSC
G024180	SUN	411	936G0354	TAPE DRIVE	4493	105	\$1,232 HOSC
1153360	SUN	411	135G1188	DISK DRIVE UNIT	4610	1027	\$756 HOSC
1153568	SUN	411	135G3305	DISK DRIVE UNIT	4610	1027	\$756 HOSC
1223303	SUN	411	218G384	DISK DRIVE UNIT	4610	1027	\$756 HOSC
1401437	SUN	411	418G2502	DISK DRIVE UNIT	4610	1049	\$2,080 HOSC
0009765	SUN	411	220G0451	TRANSPORT MAG. TAPE	4663	A010	\$1,248 HOSC
1439483	SUN	411X579A	434G2181	DISK DRIVE UNIT	4610	2073	\$503 HOSC
1439491	SUN	411X579A	433G2121	DISK DRIVE UNIT	4610	1007	\$503 HOSC
1397529	SUN	447	350E0691	COMPUTER	4663	A286	\$5,190 HOSC
1155023	SUN	547	943K0258	COMPUTER, MINI	4610	2049	\$21,393 HOSC
1155025	SUN	547	943K0257	COMPUTER, MINI	4610	1049	\$21,393 HOSC
1268595	SUN	595-1929-05	235G0402	EXTERNAL CD-DRIVE	4663	M104	\$776 HOSC
1153407	SUN	595-1929-05	133G3312	CD-ROM DRIVE	TZ	2005A	\$756 HOSC
1223289	SUN	595-1929-05	218G3822	CD-ROM DRIVE	TZ	2108	\$756 HOSC
1223299	SUN	595-1929-05	218G3832	CD-ROM DRIVE	TZ	2108	\$756 HOSC
1223309	SUN	595-1929-05	218G3831	CD-ROM DRIVE	TZ	2108	\$756 HOSC
1223215	SUN	595-2253-01	218G8101	DISK DRIVE	TZ	3005G	\$3,420 HOSC
1223231	SUN	595-2253-01	218G5965	DISK DRIVE	TZ	3004A	\$3,420 HOSC
1223235	SUN	595-2253-01	218G6246	DISK DRIVE	TZ	3004B	\$3,420 HOSC
1223241	SUN	595-2253-01	218G6232	DISK DRIVE	TZ	2108	\$3,420 HOSC
1223249	SUN	595-2253-01	218G5962	DISK DRIVE	TZ	2024A	\$3,420 HOSC
1223290	SUN	595-2253-01	220G2864	DISK DRIVE	TZ	2108	\$3,420 HOSC
1223296	SUN	595-2253-01	220G2594	DISK DRIVE	TZ	3017D	\$3,420 HOSC
1223310	SUN	595-2253-01	220G2588	DISK DRIVE	TZ	3015E	\$3,420 HOSC
1223312	SUN	595-2253-01	220G2867	DISK DRIVE	TZ	3025B	\$3,420 HOSC
1223316	SUN	595-2253-01	220G2867	DISK DRIVE	TZ	3002I	\$3,420 HOSC
1223436	SUN	595-2253-01	220G3041	DISK DRIVE	TZ	2024A	\$3,420 HOSC
1223291	SUN	595-2273-01	218G1117	TAPE DRIVE	TZ	2108	\$3,192 HOSC
1223295	SUN	595-2273-01	218G1103	TAPE DRIVE	TZ	2108	\$3,192 HOSC
1153410	SUN	599-1746-01	132G1601	DISK DRIVE	TZ	2005A	\$4,400 HOSC
1153565	SUN	599-1746-01	131G2599	TAPE DRIVE	TZ	2024A	\$4,400 HOSC
1153358	SUN	600-2579-02	125F0065	COMPUTER	TZ	3002I	\$8,997 HOSC
1153408	SUN	600-2579-02	124F2187	COMPUTER	TZ	2005A	\$8,997 HOSC
1279340	SUN	600-2841	247F2009	COMPUTER	4663	A109	\$6,407 HOSC
1222272	SUN	600-2841-02	224-F0105	COMPUTER	4663	A114A	\$9,980 HOSC
1223227	SUN	600-2841-02	212F1428	COMPUTER	4663	A223	\$6,407 HOSC
1223217	SUN	600-2841-02	213F1415	COMPUTER	TZ	3005G	\$6,407 HOSC
1223233	SUN	600-2841-02	212F1430	COMPUTER	TZ	2024A	\$6,407 HOSC
1223237	SUN	600-2841-02	216F0642	COMPUTER	TZ	3004B	\$6,407 HOSC
1223239	SUN	600-2841-02	217F0331	COMPUTER	TZ	3015B	\$6,407 HOSC
1223247	SUN	600-2841-02	21F0267	COMPUTER	TZ	3004A	\$6,407 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1223293	SUN	600-2841-02	213F0872	COMPUTER	TZ	3017D	\$8,407 HOSC
1223298	SUN	600-2841-02	220F0589	COMPUTER	TZ	2108	\$8,407 HOSC
1223301	SUN	600-2841-02	219F0033	COMPUTER	TZ	2017A	\$8,407 HOSC
1223307	SUN	600-2841-02	219F0388	COMPUTER	TZ	3025G	\$8,407 HOSC
1223314	SUN	600-2841-02	220F1069	COMPUTER	TZ	2017A	\$8,407 HOSC
1223434	SUN	600-2841-02	220F1095	COMPUTER	TZ	3013D	\$8,407 HOSC
1223437	SUN	600-2841-02	219F0035	COMPUTER	TZ	3015A	\$8,407 HOSC
1397747	SUN	811	411G0133	TAPE DRIVE	4493	105	\$2,100 HOSC
1148862	SUN	811	138G0855	DISK DRIVE UNIT	4610	1027	\$3,380 HOSC
1223219	SUN	811	218G6263333	DISK DRIVE UNIT	4610	1027	\$3,420 HOSC
1223225	SUN	811	218G5970	DISK DRIVE UNIT	4610	1027	\$3,420 HOSC
1223229	SUN	811	218G5960	DISK DRIVE UNIT	4610	1027	\$3,420 HOSC
1223245	SUN	811	218G6031	DISK DRIVE UNIT	4610	1027	\$3,420 HOSC
1223305	SUN	811	218G1101	DISK DRIVE UNIT	4610	1027	\$3,192 HOSC
1287044	SUN	811	319U4025	DISK DRIVE	TZ	2024A	\$2,925 HOSC
1439490	SUN	811X814A	434G0014	TRANSPORT, MAGNETIC TA	4610	1007	\$2,100 HOSC
1153361	SUN	EXP-2	128G1203	TAPE DRIVE	4663	A223	\$3,280 HOSC
1153451	SUN	EXP-2	132G1553	DISK DRIVE	4663	A223	\$4,400 HOSC
1153362	SUN	EXP2	132G3294	TRANSPORT, MAGNETIC TA	4610	1027	\$4,400 HOSC
1153453	SUN	EXP2	132G1564	DISK DRIVE UNIT	4610	1027	\$4,400 HOSC
1153566	SUN	EXP2	123G1802	DISK DRIVE UNIT	4610	1027	\$3,280 HOSC
1219355	SUN	GDM-1962B	9140DX0148	DISPLAY UNIT	4610	1027	\$4,000 HOSC
1222273	SUN	GDM-1962B	9222DX0734	MONITOR	4663	M104	\$2,730 HOSC
1223228	SUN	GDM-1962B	9214DX0622	MONITOR	4663	A223	\$5,000 HOSC
1281935	SUN	GDM-1962B	9251DX0697	MONITOR	4663	A109	\$5,000 HOSC
1153454	SUN	GDM-1962B	9134DX1200	MONITOR	SUN		\$4,000 HOSC
1153359	SUN	GDM-1962B	9125CY2414	MONITOR	TZ	3002I	\$5,000 HOSC
1153409	SUN	GDM-1962B	9128CY1149	MONITOR	TZ	2005A	\$5,000 HOSC
1223218	SUN	GDM-1962B	9144DX0679	MONITOR	TZ	3005G	\$5,000 HOSC
1223234	SUN	GDM-1962B	9214DX0625	MONITOR	TZ	2024B	\$5,000 HOSC
1223238	SUN	GDM-1962B	9145DX0720	MONITOR	TZ	3004B	\$5,000 HOSC
1223240	SUN	GDM-1962B	9149DX1325	MONITOR	TZ	3015B	\$5,000 HOSC
1223248	SUN	GDM-1962B	9214DX0519	MONITOR	TZ	3004A	\$5,000 HOSC
1223294	SUN	GDM-1962B	9145DX0334	MONITOR	TZ	3017D	\$5,000 HOSC
1223300	SUN	GDM-1962B	9145DX0075	MONITOR	TZ	2108	\$5,000 HOSC
1223302	SUN	GDM-1962B	914DX0891	MONITOR	TZ	2017A	\$5,000 HOSC
1223308	SUN	GDM-1962B	9143DX0858	MONITOR	TZ	3025G	\$5,000 HOSC
1223435	SUN	GDM-1962B	9145DX0077	MONITOR	TZ	2017A	\$5,000 HOSC
1223439	SUN	GDM-1962B	9145DX0723	MONITOR	TZ	3015A	\$5,000 HOSC
1225400	SUN	GDM-1962B	365111201	MONITOR	TZ	3006F	\$5,000 HOSC
1400362	SUN	GDM17E10	9409FQ0373	DISPLAY UNIT	4610	1049	\$1,005 HOSC
1155024	SUN	GDM1955A	937BY0219	DISPLAY UNIT	4610	2049	\$3,700 HOSC
1155026	SUN	GDM1955A15	933BY0371	DISPLAY UNIT	4610	1049	\$3,700 HOSC
1153299	SUN	GDM1962B	9125KY2366	DISPLAY UNIT	4610	1027	\$4,000 HOSC
1223224	SUN	GDM1962B	9142DX1500	DISPLAY UNIT	4610	1027	\$5,000 HOSC
1273114	SUN	GDM1962B	9246DX2395	DISPLAY UNIT	4610	2073	\$1,400 HOSC
1221338	SUN	GDM1962B	9148DX0420	MONITOR	4663	A010	\$5,710 HOSC
1153564	SUN	GDM1962B	9122CY1014	MONITOR	TZ	3005A	\$5,000 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1397528	SUN	GDM20D10	9340FC2519	MONITOR	4663	A286	\$2,947 HOSC
1013598	SUN	HM4119S-AA0	931AR0875	DISPLAY UNIT	4610	1027	\$4,000 HOSC
G024028	SUN	HM4119S-AA0	936AR0447	DISPLAY UNIT	4610	1010	\$2,090 HOSC
0033503	SUN	NONE	13514744	CAMERA, TELEVISION	4610	2073	\$1,270 HOSC
1153363	SUN	NONE	NONE	PRINTER, ADP	4610	1027	\$1,887 HOSC
1273115	SUN	SPARCSTATION 10		COMPUTER	4610	CAVE	HOSC
1223216	SUN	SPRN-400	9152819597	PRINTER	TZ	2024	\$1,887 HOSC
1223230	SUN	SPRN-400	9152819756	PRINTER	TZ	3013D	\$1,887 HOSC
1223232	SUN	SPRN-400	9152819605	PRINTER	TZ	3008F	\$1,887 HOSC
1223236	SUN	SPRN-400	9146818611	PRINTER	TZ	2005A	\$1,887 HOSC
1223242	SUN	SPRN-400	9152819698	PRINTER	TZ	3015B	\$1,887 HOSC
1223250	SUN	SPRN-400	9151819494	PRINTER	TZ	3004A	\$1,887 HOSC
1223292	SUN	SPRN-400	9146818547	PRINTER	TZ	3005G	\$1,887 HOSC
1223297	SUN	SPRN-400	9146818268	PRINTER	TZ	2108	\$1,887 HOSC
1223306	SUN	SPRN-400	9149818837	PRINTER	TZ	2017A	\$1,887 HOSC
1223311	SUN	SPRN-400	9152819651	PRINTER	TZ	3025G	\$1,887 HOSC
1223313	SUN	SPRN-400	9152819607	PRINTER	TZ	3005A	\$1,887 HOSC
1223317	SUN	SPRN-400	9152819607	PRINTER	TZ	3025G	\$1,887 HOSC
1223438	SUN	SPRN-400	9151819152	PRINTER	TZ	3015A	\$1,887 HOSC
1225399	SUN	SPRN-400	9146818490	PRINTER	TZ	3002I	\$1,887 HOSC
1223226	SUN	SPRN6400	9152819595	PRINTER, ADP	4610	1027	\$1,887 HOSC
1284763	SUN	X557A	337U2147	CD-ROM DRIVE	4663	A010	\$667 HOSC
1225398	SUN	X559A	218G3947	CD-ROM DRIVE	TZ	3005A	\$756 HOSC
1225397	SUN	X571A	220G2882	DISK DRIVE	TZ	2108	\$3,420 HOSC
1225396	SUN	X804A	218G3511	TAPE DRIVE	TZ	2108	\$3,192 HOSC
1273114	SUN			MONITOR	4610	CAVE	HOSC
0008810	SUN			TAPE DRIVE	4610	CAVE	HOSC
0033503	SUN			CAMERA	4610	CAVE	HOSC
1268403	SYNTRONICS INC.	1EE69	001	DATA DISTRIB. SWITCH	4663	A109	\$175,667 HOSC
1402248	SYNTRONICS	705D001	NONE	EXP DATA DISTRIB SW	4663	A109	\$108,155 HOSC
0729026	TAUTRON	MA102		ECL/TMI CONVERTOR	4663	A114	\$1,750 HOSC
G032268	TAUTRON	MAIN FRAME	8805178	DATA GENERATOR	4663	A114	\$7,500 HOSC
0008326	TAUTRON	MB302	NONE	RECEIVER	4663	A114	\$10,000 HOSC
0008325	TAUTRON	MN302	NONE	TRANSMITTER	4663	A114	\$4,000 HOSC
0008324	TAUTRON	MS302	NONE	CLOCK GENERATOR	4663	A114	\$4,000 HOSC
1153508	TEAM	TP-6490	N1502306	PRINTER, VIDEO	4663	A260	\$5,200 HOSC
1272673	TEKELEC	CHAME LAN-100	CFS36920158	ANALYZER	4663	A300	\$43,240 HOSC
0837038	TEKTRONIX	1503B	R021215	TEST SET	4663	A124	\$5,550 HOSC
0674598	TEKTRONIX	213	B045846	OSCILLOSCOPE	4663	M200	\$2,210 HOSC
0837039	TEKTRONIX	2430A	B014444	OSCILLOSCOPE	4663	A105	\$6,917 HOSC
G032499	TEKTRONIX	2430A	B104517	OSCILLOSCOPE	4663	A105	\$4,500 HOSC
G032318	TEKTRONIX	2430A	B014469	OSCILLOSCOPE	TZ	2025C	\$7,590 HOSC
0542579	TEKTRONIX	308	304106	ANALYZER	4663	A105	\$3,965 HOSC
0860875	TEKTRONIX	308	304106	LOGIC ANALYZER	4663	A105	\$2,520 HOSC
0541008	TEKTRONIX	4014-1	B078738	TERMINAL	4663	A286	\$13,671 HOSC
0541012	TEKTRONIX	4014-1	B1080165	TERMINAL	4663	A286	\$16,275 HOSC
0541051	TEKTRONIX	4014-1	B080218	TERMINAL	4663	A264	\$21,861 HOSC
0544719	TEKTRONIX	4014-1	B068324	TERMINAL	4663	A109	\$11,650 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
0265316	TEKTRONIX	4105	B025203	TERMINAL	4663	A286	\$2,121	HOSC
0062692	TEKTRONIX	4111	B036935	TERMINAL	4663	A286	\$7,042	HOSC
0177343	TEKTRONIX	4111	B035312	TERMINAL	4663	A286	\$10,580	HOSC
0186062	TEKTRONIX	4111	B035061	TERMINAL	4663	A211	\$10,579	HOSC
0186063	TEKTRONIX	4111	B035260	TERMINAL	4663	M201	\$10,579	HOSC
0186064	TEKTRONIX	4111	B035254	TERMINAL	4663	M201	\$10,579	HOSC
0186066	TEKTRONIX	4111	B034938	TERMINAL	4663	A124	\$10,579	HOSC
0186067	TEKTRONIX	4111	B034960	TERMINAL	4663	A211	\$10,579	HOSC
0062693	TEKTRONIX	4125P	B051643	TERMINAL	4663	A286	\$25,000	HOSC
0062695	TEKTRONIX	4125P	B051643	TERMINAL	4663	A286	\$6,058	HOSC
1013456	TEKTRONIX	4125P	B051202	MONITOR	4663	A286	\$1,200	HOSC
1013457	TEKTRONIX	4125P	B051549	MONITOR	4663	A286	\$1,200	HOSC
1013458	TEKTRONIX	4125P	B051549	TERMINAL	4663	A286	\$2,500	HOSC
1013459	TEKTRONIX	4125P	B051202	TERMINAL	4663	A286	\$2,500	HOSC
1145634	TEKTRONIX	4125P	B022074	TERMINAL	4663	A105	\$8,950	HOSC
0286639	TEKTRONIX	4631	B189112	HARD COPY	4663	A286	\$6,175	HOSC
0286735	TEKTRONIX	4631	B193693	HARD COPY	4663	A124	\$5,462	HOSC
0541009	TEKTRONIX	4631	B191899	HARD COPY	4663	A286	\$6,730	HOSC
0541052	TEKTRONIX	4631	B191606	HARD COPY	4663	A264	\$5,653	HOSC
0539796	TEKTRONIX	4632	B208186	HARD COPY	4663	A124	\$5,630	HOSC
0541020	TEKTRONIX	4632	B209016	HARD COPY	4663	A124	\$5,575	HOSC
0062696	TEKTRONIX	4634	B013381	HARD COPY	4663	A286	\$7,319	HOSC
0186059	TEKTRONIX	4634	B013235	HARD COPY	4663	A124	\$7,504	HOSC
0186060	TEKTRONIX	4634	B013236	HARD COPY	4663	A286	\$7,504	HOSC
0186061	TEKTRONIX	4634	B013234	HARD COPY	4663	M201	\$7,504	HOSC
0186069	TEKTRONIX	4692	B024992	COLOR HARD COPY	4663	A286	\$6,768	HOSC
1018363	TEKTRONIX	4693DX	B041939	HARD COPY	4663	A211	\$7,332	HOSC
0540904	TEKTRONIX	475A	B025256	OSCILLOSCOPE	4663	A105	\$4,657	HOSC
0543410	TEKTRONIX	485	B191760	OSCILLOSCOPE	4663	A109B	\$7,703	HOSC
0062694	TEKTRONIX	4944	NONE	DISK DRIVE	4663	A286	\$3,000	HOSC
1013460	TEKTRONIX	4944	B0829721	DISK DRIVE	4663	A286	\$1,200	HOSC
1013461	TEKTRONIX	4944	B010226	DISK DRIVE	4663	A105	\$1,200	HOSC
1145635	TEKTRONIX	4944	B010627	DISK DRIVE	4663	A286	\$900	HOSC
1401693	TEKTRONIX	4963DX	B040866	PRINTER	4650	208-6S	\$7,736	HOSC
0541971	TEKTRONIX	7844	131550	OSCILLOSCOPE	4663	A114	\$7,650	HOSC
0784387	TEKTRONIX	7A26	B257587	TEST UNIT	4663	A114	\$2,180	HOSC
0784388	TEKTRONIX	7A26	B257590	TEST UNIT	4663	A114	\$2,180	HOSC
0541958	TEKTRONIX	7B85	B084727	GENERATOR	4663	A114	\$1,025	HOSC
0857949	TEKTRONIX	834	R062936	TEST SET	4663	A105	\$2,275	HOSC
0783127	TEKTRONIX	DC503A	B036768	COUNTER	4663	A109	\$1,165	HOSC
0541962	TEKTRONIX	DC508	B021308	FREQUENCY COUNTER	4663	A109B	\$1,150	HOSC
0187480	TEKTRONIX	FG503	B050861	SIGNAL GENERATOR	TZ	3018	\$675	HOSC
0187485	TEKTRONIX	FG503	B050859	PULSE GENERATOR	TZ	3018	\$675	HOSC
0783115	TEKTRONIX	FG503	3050233	GENERATOR	TZ	3018	\$610	HOSC
0858056	TEKTRONIX	FG503	B051682	FUNCTION GENERATOR	TZ	3018	\$656	HOSC
0858058	TEKTRONIX	FG503	B051685	FUNCTION GENERATOR	TZ	3018	\$656	HOSC
0542288	TEKTRONIX	FG504	B056757	FUNCTION GENERATOR	4663	A109B	\$1,550	HOSC
0541961	TEKTRONIX	SC504	B011794	OSCILLOSCOPE	4663	A109B	\$1,900	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0835212	TELEX	1280	31859	COMPUTER	4492	100	\$1,000 HOSC
G031039	TELEX	1280	27849	COMPUTER	4663	A300	\$1,000 HOSC
G080466	TELEX	1280	38327	COMPUTER	4663	A109	\$6,032 HOSC
1221884	TELEX	7270	1050012202	COMPUTER	4492	111B	\$5,740 HOSC
G080585	TELEX	PK-22	511404	MONITOR	4663	A300	\$635 HOSC
0177214	THORN EMI	9000SL	7151	RECORDER	4663	A114	\$175,600 HOSC
0177217	THORN EMI	9000SL	J152	RECORDER	4663	A114	\$175,600 HOSC
0242853	THORN EMI	9000SL	144	RECORDER	4663	A114	\$180,500 HOSC
0242854	THORN EMI	9000SL	145	RECORDER	4663	A114	\$171,100 HOSC
0242855	THORN EMI	9000SL	146	RECORDER	4663	A114	\$171,100 HOSC
0286846	THORN EMI	9000SL	NONE	RECORDER	4663	A114	\$91,500 HOSC
0289083	THORN EMI	9000SL	519	RECORDER	4663	A114	\$181,100 HOSC
0859955	THORN EMI	SE9000SL	NONE	ECL DIFF. CON	4663	A114	\$3,850 HOSC
1153115	TOMORROW TOOLS			PORT. ELEC. BOOK	4610	CAVE	HOSC
1268419	TOSHIBA AMERICA INFO	TXM3301E1	2660202924	CD-ROM DRIVE	4493	105	\$876 HOSC
0405588	UDS	C200	5060	DATA TEST	4663	A105	\$8,955 HOSC
1401294	UNISYS	M8FNB	4210239070FU	CABINET, ELECTRICAL	4663	A109	\$34,281 HOSC
1401295	UNISYS	M8FNB	4210237070FU	CABINET, ELECTRICAL	4663	A109	\$34,281 HOSC
1401296	UNISYS	M8FNB	4210235070FU	CABINET, ELECTRICAL	4663	A109	\$51,374 HOSC
1402292	UNISYS	M8FNB	4320072070FY	CABINET, ELECTRICAL	4663	A109	\$975 HOSC
1402293	UNISYS	M8FNB	4320070070FY	CABINET, ELECTRICAL	4663	A109	\$975 HOSC
1288477	UNISYS	MMAC-M8FNB	3440077070FP	ETHERNET HUB, 8 SLOT	TZ	EQP3	\$24,219 HOSC
1222107	VALITEK	PST250F	222707	TAPE DRIVE	4663	A124	\$1,888 HOSC
1439456	VIDEONICS			DIGITAL VIDEO MIXER	4610	CAVE	HOSC
1439461	VISIONICS			LVES HEAD MOUNTED DISP	4610	CAVE	HOSC
0733497	VISUAL	102	014409102	TERMINAL	TZ	3018	\$812 HOSC
1081447	VPL	2/ISOTRAK		EYEPHONE/CONTROL UNIT	4610	CAVE	HOSC
1282817	VPL	LX/FASTRAK		EYEPHONE/CONTROL UNIT	4610	CAVE	HOSC
1281728	VPL			DATAGLOVE/CONTROL UNI	4610	CAVE	HOSC
1282816	VPL			DATAGLOVE/CONTROL UNI	4610	CAVE	HOSC
G80170	VPL			DATAGLOVE/CONTROL UNI	4610	CAVE	HOSC
0739928	WESPERLINE	8012	NONE	COMM DATA FORMATTER	4663	A109	\$0 HOSC
0441398	WESTERN GRAPHTEC	3108	38703130	STRIP CHART RECORDER	4663	A209	\$12,021 HOSC
0441418	WESTERN GRAPHTEC	3108	38706054	STRIP CHART RECORDER	4663	A209	\$12,021 HOSC
0441419	WESTERN GRAPHTEC	3108	38703133	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0441420	WESTERN GRAPHTEC	3108	38703139	STRIP CHART RECORDER	4663	M103	\$12,021 HOSC
0441421	WESTERN GRAPHTEC	3108	38703134	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0441422	WESTERN GRAPHTEC	3108	38703141	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0441423	WESTERN GRAPHTEC	3108	38702166	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0441712	WESTERN GRAPHTEC	3108	38703137	STRIP CHART RECORDER	4663	A209	\$12,021 HOSC
0441713	WESTERN GRAPHTEC	3108	38706047	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543254	WESTERN GRAPHTEC	3108	3019127	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543255	WESTERN GRAPHTEC	3108	38706052	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543256	WESTERN GRAPHTEC	3108	3019133	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543257	WESTERN GRAPHTEC	3108	38706053	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543258	WESTERN GRAPHTEC	3108	38702160	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543259	WESTERN GRAPHTEC	3108	38708050	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC
0543260	WESTERN GRAPHTEC	3108	38702161	STRIP CHART RECORDER	4663	A286	\$12,021 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1016337	WESTERN GRAPHTEC	3108	9013795	STRIP CHART RECORDER	4663	A109	\$9,780 HOSC
1016338	WESTERN GRAPHTEC	3108	9013796	STRIP CHART RECORDER	4663	A109	\$9,780 HOSC
G032392	WESTERN GRAPHTEC	3108	8014611	STRIP CHART RECORDER	4663	M103	\$12,485 HOSC
G032393	WESTERN GRAPHTEC	3108	8014605	STRIP CHART RECORDER	4663	A209	\$12,485 HOSC
G032394	WESTERN GRAPHTEC	3108	8014612	STRIP CHART RECORDER	4663	A286	\$12,485 HOSC
G032395	WESTERN GRAPHTEC	3108	8014615	STRIP CHART RECORDER	4663	M101	\$12,485 HOSC
G032396	WESTERN GRAPHTEC	3108	8014616	STRIP CHART RECORDER	4663	M101	\$12,485 HOSC
1150173	WIN LABS LTD	AT386	AT91057406	COMPUTER	4663	M200	\$2,985 HOSC
1269180	WIN LABS LTD	AT386	AT20702701	COMPUTER	4663	A300	\$1,925 HOSC
0008650	WIN LABS LTD	AT386	AT09102613	COMPUTER	TZ	2022B	\$3,845 HOSC
0008651	WIN LABS LTD	AT386	AT09102713	COMPUTER	TZ	3018	\$3,845 HOSC
0008657	WIN LABS LTD	AT386	AT09102313	COMPUTER	TZ	3006C	\$3,845 HOSC
0008658	WIN LABS LTD	AT386	AT09103313	COMPUTER	TZ	2016B	\$3,845 HOSC
0008662	WIN LABS LTD	AT386	AT09102213	COMPUTER	TZ	3003F	\$3,845 HOSC
0008676	WIN LABS LTD	AT386	AT09103113	COMPUTER	TZ	3007A	\$2,070 HOSC
0008677	WIN LABS LTD	AT386	AT09103413	COMPUTER	TZ	3008B	\$3,845 HOSC
0008678	WIN LABS LTD	AT386	AT09102913	COMPUTER	TZ	3002H	\$3,845 HOSC
1082053	WIN LABS LTD	AT386	AT90121315	COMPUTER	TZ	2007C	\$2,985 HOSC
1082056	WIN LABS LTD	AT386	AT90121815	COMPUTER	TZ	2000E	\$2,985 HOSC
1082057	WIN LABS LTD	AT386	AT90120815	COMPUTER	TZ	2108	\$2,985 HOSC
1082061	WIN LABS LTD	AT386	AT910708113	COMPUTER	TZ	2120	\$2,985 HOSC
1150166	WIN LABS LTD	AT386	AT1070942	COMPUTER	TZ	3022	\$2,985 HOSC
1150168	WIN LABS LTD	AT386	AT91054506	COMPUTER	TZ	3011C	\$2,070 HOSC
1150169	WIN LABS LTD	AT386	AT91052706	COMPUTER	TZ	2026	\$2,070 HOSC
1150170	WIN LABS LTD	AT386	AT91056106	COMPUTER	TZ	2004C	\$1,925 HOSC
1150171	WIN LABS LTD	AT386	AT91055106	COMPUTER	TZ	2005C	\$2,985 HOSC
1150177	WIN LABS LTD	AT386	AT91057705	COMPUTER	TZ	3026A	\$2,070 HOSC
1151592	WIN LABS LTD	AT386	AT91079504	COMPUTER	TZ	3002F	\$2,985 HOSC
1151593	WIN LABS LTD	AT386	AT91079904	COMPUTER	TZ	3011B	\$2,070 HOSC
1151594	WIN LABS LTD	AT386	AT91079204	COMPUTER	TZ	2008B	\$2,985 HOSC
1151595	WIN LABS LTD	AT386	AT91078404	COMPUTER	TZ	2007A	\$2,985 HOSC
1151596	WIN LABS LTD	AT386	AT91079304	COMPUTER	TZ	2008A	\$2,985 HOSC
1151597	WIN LABS LTD	AT386	AT91078704	COMPUTER	TZ	2005B	\$2,985 HOSC
1151599	WIN LABS LTD	AT386	AT91078504	COMPUTER	TZ	2005D	\$2,985 HOSC
1151601	WIN LABS LTD	AT386	AT91077704	COMPUTER	TZ	2008A	\$2,985 HOSC
1151912	WIN LABS LTD	AT386	AT91072913	COMPUTER	TZ	3005H	\$1,925 HOSC
1151913	WIN LABS LTD	AT386	AT91070913	COMPUTER	TZ	3005C	\$2,070 HOSC
1151914	WIN LABS LTD	AT386	AT91076013	COMPUTER	TZ	2025F	\$2,070 HOSC
1151915	WIN LABS LTD	AT386	AT91073513	COMPUTER	TZ	3009C	\$2,070 HOSC
1151917	WIN LABS LTD	AT386	AT91072213	COMPUTER	TZ	3009B	\$2,070 HOSC
1151919	WIN LABS LTD	AT386	AT91071713	COMPUTER	TZ	3006D	\$2,070 HOSC
1151920	WIN LABS LTD	AT386	AT91071113	COMPUTER	TZ	3005B	\$2,070 HOSC
1151922	WIN LABS LTD	AT386	AT91072313	COMPUTER	TZ	3005E	\$2,070 HOSC
1151925	WIN LABS LTD	AT386	AT91075313	COMPUTER	TZ	3026B	\$2,070 HOSC
1151927	WIN LABS LTD	AT386	AT91072713	COMPUTER	TZ	3009A	\$2,070 HOSC
1151928	WIN LABS LTD	AT386	AT91074613	COMPUTER	TZ	2014A	\$2,070 HOSC
1151930	WIN LABS LTD	AT386	AT91074113	COMPUTER	TZ	2023B	\$2,070 HOSC
1151932	WIN LABS LTD	AT386	AT91072143	COMPUTER	TZ	2023C	\$2,070 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1151933	WIN LABS LTD	AT386	AT91070813	COMPUTER	TZ	2019C	\$2,070	HOSC
1151934	WIN LABS LTD	AT386	AT91075013	COMPUTER	TZ	3003A	\$2,070	HOSC
1154701	WIN LABS LTD	AT386	AT91104116	COMPUTER	TZ	2000F	\$1,925	HOSC
1269144	WIN LABS LTD	AT386	AT20704802	COMPUTER	TZ	2008C	\$1,925	HOSC
1269149	WIN LABS LTD	AT386	AT20708202	COMPUTER	TZ	2003A	\$1,925	HOSC
1269150	WIN LABS LTD	AT386	AT20700402	COMPUTER	TZ	2006C	\$1,925	HOSC
1269151	WIN LABS LTD	AT386	AT20700302	COMPUTER	TZ	2003B	\$1,925	HOSC
1269152	WIN LABS LTD	AT386	AT20708102	COMPUTER	TZ	2000D	\$1,925	HOSC
1269153	WIN LABS LTD	AT386	AT20700702	COMPUTER	TZ	2002B	\$1,925	HOSC
1269154	WIN LABS LTD	AT386	AT20704402	COMPUTER	TZ	2018C	\$1,925	HOSC
1269155	WIN LABS LTD	AT386	AT20705902	COMPUTER	TZ	3004C	\$1,925	HOSC
1269156	WIN LABS LTD	AT386	AT20701702	COMPUTER	TZ	3002C	\$1,925	HOSC
1269157	WIN LABS LTD	AT386	AT20702402	COMPUTER	TZ	3006A	\$1,925	HOSC
1269159	WIN LABS LTD	AT386	AT20704902	COMPUTER	TZ	2019D	\$650	HOSC
1269160	WIN LABS LTD	AT386	AT20701802	COMPUTER	TZ	3007D	\$1,925	HOSC
1269161	WIN LABS LTD	AT386	AT20709802	COMPUTER	TZ	3008A	\$1,925	HOSC
1269162	WIN LABS LTD	AT386	AT20703002	COMPUTER	TZ	3001B	\$1,925	HOSC
1269163	WIN LABS LTD	AT386	AT20706623	COMPUTER	TZ	2018A	\$1,925	HOSC
1269164	WIN LABS LTD	AT386	AT20706902	COMPUTER	TZ	2006D	\$1,925	HOSC
1269165	WIN LABS LTD	AT386	AT20706702	COMPUTER	TZ	2023A	\$650	HOSC
1269166	WIN LABS LTD	AT386	AT20701502	COMPUTER	TZ	3025C	\$650	HOSC
1269167	WIN LABS LTD	AT386	AT20709902	COMPUTER	TZ	2013C	\$1,925	HOSC
1269171	WIN LABS LTD	AT386	AT20708102	COMPUTER	TZ	3004J	\$1,925	HOSC
1269173	WIN LABS LTD	AT386	AT20700602	COMPUTER	TZ	2000A	\$1,925	HOSC
1269174	WIN LABS LTD	AT386	AT20708502	COMPUTER	TZ	3012B	\$1,925	HOSC
1269175	WIN LABS LTD	AT386	AT20704102	COMPUTER	TZ	3007F	\$1,925	HOSC
1269176	WIN LABS LTD	AT386	AT20704302	COMPUTER	TZ	3023B	\$1,925	HOSC
1269177	WIN LABS LTD	AT386	AT20709602	COMPUTER	TZ	3000A	\$1,925	HOSC
1269178	WIN LABS LTD	AT386	AT20701302	COMPUTER	TZ	3004I	\$1,925	HOSC
1269179	WIN LABS LTD	AT386	AT20703802	COMPUTER	TZ	3018C	\$1,925	HOSC
1269181	WIN LABS LTD	AT386	AT20702702	COMPUTER	TZ	3003E	\$1,925	HOSC
1269182	WIN LABS LTD	AT386	AT20709502	COMPUTER	TZ	3008D	\$1,925	HOSC
1269183	WIN LABS LTD	AT386	AT20704502	COMPUTER	TZ	3014A	\$1,925	HOSC
1269184	WIN LABS LTD	AT386	AT20708502	COMPUTER	TZ	3018B	\$1,925	HOSC
1269185	WIN LABS LTD	AT386	AT20703302	COMPUTER	TZ	3005F	\$1,925	HOSC
1269186	WIN LABS LTD	AT386	AT20709002	COMPUTER	TZ	3012C	\$1,925	HOSC
1269187	WIN LABS LTD	AT386	AT20708002	COMPUTER	TZ	3026D	\$1,925	HOSC
1269188	WIN LABS LTD	AT386	AT20703902	COMPUTER	TZ	3001A	\$1,925	HOSC
1269189	WIN LABS LTD	AT386	AT20703702	COMPUTER	TZ	3013A	\$1,925	HOSC
1269190	WIN LABS LTD	AT386	AT20702002	COMPUTER	TZ	3004H	\$1,925	HOSC
1269191	WIN LABS LTD	AT386	AT20701402	COMPUTER	TZ	3012A	\$1,925	HOSC
1269192	WIN LABS LTD	AT386	AT20706802	COMPUTER	TZ	3025G	\$1,925	HOSC
1269193	WIN LABS LTD	AT386	AT20707202	COMPUTER	TZ	3026C	\$1,925	HOSC
1269194	WIN LABS LTD	AT386	AT20705802	COMPUTER	TZ	2014B	\$1,925	HOSC
1269195	WIN LABS LTD	AT386	AT20701102	COMPUTER	TZ	3002A	\$1,925	HOSC
1269196	WIN LABS LTD	AT386	AT20704702	COMPUTER	TZ	3016A	\$1,925	HOSC
1269197	WIN LABS LTD	AT386	AT20708702	COMPUTER	TZ	3004E	\$1,925	HOSC
1269198	WIN LABS LTD	AT386	AT20706402	COMPUTER	TZ	3004F	\$1,925	HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1269199	WIN LABS LTD	AT386	AT20705502	COMPUTER	TZ	2019A	\$1,925 HOSC
1269200	WIN LABS LTD	AT386	AT20706302	COMPUTER	TZ	2018A	\$1,925 HOSC
1269201	WIN LABS LTD	AT386	AT20705002	COMPUTER	TZ	2025B	\$1,925 HOSC
1269202	WIN LABS LTD	AT386	AT20705402	COMPUTER	TZ	3014C	\$1,925 HOSC
1269203	WIN LABS LTD	AT386	AT20705102	COMPUTER	TZ	2015B	\$1,925 HOSC
1269204	WIN LABS LTD	AT386	AT20702602	COMPUTER	TZ	3012D	\$1,925 HOSC
1269205	WIN LABS LTD	AT386	AT20702502	COMPUTER	TZ	3025F	\$1,925 HOSC
1269206	WIN LABS LTD	AT386	AT20710202	COMPUTER	TZ	3002B	\$1,925 HOSC
1269207	WIN LABS LTD	AT386	AT20706653	COMPUTER	TZ	3025D	\$1,925 HOSC
1269208	WIN LABS LTD	AT386	AT20707302	COMPUTER	TZ	3013B	\$1,925 HOSC
1269209	WIN LABS LTD	AT386	AT20707002	COMPUTER	TZ	3010B	\$1,925 HOSC
1269210	WIN LABS LTD	AT386	AT20700202	COMPUTER	TZ	3025A	\$1,925 HOSC
1269211	WIN LABS LTD	AT386	AT20707102	COMPUTER	TZ	3014D	\$1,925 HOSC
1269212	WIN LABS LTD	AT386	20705602	COMPUTER	TZ	3008F	\$1,925 HOSC
1269213	WIN LABS LTD	AT386	AT20708302	COMPUTER	TZ	2018D	\$1,925 HOSC
1269214	WIN LABS LTD	AT386	AT20707402	COMPUTER	TZ	3025E	\$1,925 HOSC
1269215	WIN LABS LTD	AT386	AT20701902	COMPUTER	TZ	3002C	\$1,925 HOSC
1269216	WIN LABS LTD	AT386	AT20705589	COMPUTER	TZ	2016D	\$1,925 HOSC
1269217	WIN LABS LTD	AT386	AT20702202	COMPUTER	TZ	2025A	\$1,925 HOSC
1269218	WIN LABS LTD	AT386	AT20706602	COMPUTER	TZ	3025H	\$1,925 HOSC
1269219	WIN LABS LTD	AT386	AT20705302	COMPUTER	TZ	3013C	\$1,925 HOSC
1269220	WIN LABS LTD	AT386	AT20709102	COMPUTER	TZ	2001	\$1,925 HOSC
1269221	WIN LABS LTD	AT386	AT20701002	COMPUTER	TZ	2015A	\$1,925 HOSC
1017108	WIN LABS LTD	AT486	AT90076119	COMPUTER	TZ	2102	\$3,845 HOSC
1281459	WIN LABS LTD	AT486	AT21204702	COMPUTER	TZ	2104	\$2,700 HOSC
1281469	WIN LABS LTD	AT486	AT21204302	COMPUTER	TZ	2027A	\$2,700 HOSC
1281473	WIN LABS LTD	AT486	AT21205502	COMPUTER	TZ	2100	\$2,700 HOSC
1400534	WIN LABS LTD	AT486	GTB4XC-FTR	COMPUTER	TZ	2012C	\$2,914 HOSC
1286306	WIN LABS LTD	AT486DX 33	AT30805402	COMPUTER	TZ	3017B	\$1,859 HOSC
1286307	WIN LABS LTD	AT486DX 33	AT30805702	COMPUTER	TZ	3013D	\$1,859 HOSC
1286308	WIN LABS LTD	AT486DX 33	AT30805602	COMPUTER	TZ	3014C	\$1,859 HOSC
1286309	WIN LABS LTD	AT486DX 33	AT30805002	COMPUTER	TZ	3000B	\$1,859 HOSC
1286310	WIN LABS LTD	AT486DX 33	AT30805102	COMPUTER	TZ	2105	\$1,859 HOSC
1286326	WIN LABS LTD	AT486DX 33	AT30812003	COMPUTER	TZ	2025D	\$1,735 HOSC
1286327	WIN LABS LTD	AT486DX 33	AT30813303	COMPUTER	TZ	2106	\$1,735 HOSC
1286330	WIN LABS LTD	AT486DX 33	AT30813403	COMPUTER	TZ	2111	\$1,735 HOSC
1286331	WIN LABS LTD	AT486DX 33	AT30810503	COMPUTER	TZ	3027A	\$1,735 HOSC
1286332	WIN LABS LTD	AT486DX 33	AT30810603	COMPUTER	TZ	2011A	\$1,735 HOSC
1286333	WIN LABS LTD	AT486DX 33	AT30811603	COMPUTER	TZ	2014C	\$1,735 HOSC
1286337	WIN LABS LTD	AT486DX 33	AT30810403	COMPUTER	TZ	3004D	\$1,735 HOSC
1286338	WIN LABS LTD	AT486DX 33	AT30811803	COMPUTER	TZ	3003D	\$1,735 HOSC
1286339	WIN LABS LTD	AT486DX 33	AT30811203	COMPUTER	TZ	2015C	\$1,735 HOSC
1286340	WIN LABS LTD	AT486DX 33	AT30811703	COMPUTER	TZ	2021A	\$1,735 HOSC
1286341	WIN LABS LTD	AT486DX 33	AT30812603	COMPUTER	TZ	3015E	\$1,735 HOSC
1286343	WIN LABS LTD	AT486DX 33	AT30810203	COMPUTER	TZ	2018B	\$1,735 HOSC
1286297	WIN LABS LTD	FTR 486DX 33	AT30803602	COMPUTER	TZ	3002G	\$1,859 HOSC
1286298	WIN LABS LTD	FTR 486DX 33	AT30805302	COMPUTER	TZ	3004G	\$1,859 HOSC
1286299	WIN LABS LTD	FTR 486DX 33	AT30802802	COMPUTER	TZ	3006E	\$1,859 HOSC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1286300	WIN LABS LTD	FTR 486DX 33	AT30803702	COMPUTER	TZ	3012A	\$1,859	HOSC
1286301	WIN LABS LTD	FTR 486DX 33	AT30805802	COMPUTER	TZ	3014A	\$1,859	HOSC
1286302	WIN LABS LTD	FTR 486DX 33	AT30803002	COMPUTER	TZ	3005D	\$1,859	HOSC
1286303	WIN LABS LTD	FTR 486DX 33	AT30803302	COMPUTER	TZ	3025A	\$1,859	HOSC
1286304	WIN LABS LTD	FTR 486DX 33	AT30803802	COMPUTER	TZ	3004K	\$1,859	HOSC
1286329	WIN LABS LTD	FTR 486DX 33	AT30813503	COMPUTER	TZ	2025E	\$1,735	HOSC
1148828	WYSE	AT286	15U20101226	COMPUTER	4663	A109	\$2,000	HOSC
1148827	WYSE	WY530	21811400983	MONITOR	4663	A109	\$495	HOSC
1268618	ZENITH	ZCM1492	234RP0137R0E	MONITOR	4650	208-6S	\$382	HOSC
1013385	ZENITH	ZCM1492	948NH0257N0A	MONITOR	4663	A124	\$599	HOSC
1148634	ZENITH	ZCM1492	124RC0271R0E	MONITOR	4663	A260	\$623	HOSC
1148635	ZENITH	ZCM1492	124RC0311R0E	MONITOR	4663	A260	\$623	HOSC
1016481	ZENITH	ZCM1492	011NE0544N0B	MONITOR	TZ	2020B	\$829	HOSC
G085044	ZENITH DATA SYSTEMS	ZCN-1492	907NB0515N0L	MONITOR	4492	111B	\$850	HOSC
1081920		KIS 386			4746	146		HOSC
0008660				COMPUTER	TZ	1002		HOSC
0225213				PRINTER	TZ	1023		HOSC
0225213				PRINTER	TZ	HALL		HOSC
1082058				MONITOR	TZ	1017		HOSC
1082080				COMPUTER	TZ	1018		HOSC
1082068				COMPUTER	TZ	1017		HOSC
1270501				MONITOR	TZ	1023		HOSC
1270511				MONITOR	TZ	1022		HOSC
1270523				COMPUTER	TZ	1023		HOSC
1270537				COMPUTER	TZ	1023		HOSC
1270901				COMPUTER	TZ	1001		HOSC
1271024				MONITOR	TZ	1001		HOSC
1287441				MONITOR	TZ	1021		HOSC
1287442				COMPUTER	TZ	1021		HOSC
1287443				PRINTER	TZ	1021		HOSC
1287736				MONITOR	TZ	1019		HOSC
1287745				COMPUTER	TZ	1019		HOSC
1396734				PRINTER	TZ	HALL		HOSC
1402146				MONITOR	TZ	1002		HOSC
1402147				MONITOR	TZ	1018		HOSC
G082130				PRINTER	TZ	1021		HOSC
0835985	ALPS	P2000	8A0300021Y	PRINTER		TR 256	\$500	PCTC
0858402	APPLE	IMAGEWRITERII	1628588	PRINTER	4612	26	\$401	PCTC
1016399	APPLE	LASERWRITERII	CA943CL28M6000	PRINTER	4612	19	\$4,330	PCTC
G029077	APPLE	M0169	A81611Y	PRINTER	4612	10A	\$4,400	PCTC
0834594	APPLE	M5400	F74494B	COMPUTER	4612	1	\$4,105	PCTC
1148856	APPLE	M6000	CA946LPE	PRINTER	4612	26	\$2,789	PCTC
1145575	APPLE	M6000	CA044Z53X	PRINTER		TR 256	\$3,835	PCTC
1145918	APPLE	M6000	CA0498UJ	PRINTER		TR 257	\$3,595	PCTC
0834592	APPLE	MAC II	F7484U9	COMPUTER		TR 255	\$4,105	PCTC
1146091	APPLE	MAC IICI	F1115504765	COMPUTER	4612	27	\$3,997	PCTC
1146093	APPLE	MAC IICI	F111541B765	COMPUTER	4612	10A	\$3,997	PCTC
1146094	APPLE	MAC IICI	F11155N2765	COMPUTER	4612	18	\$3,997	PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1219707	APPLE	MAC IICI	F12037Q6724	COMPUTER	4612	26	\$3,614	PCTC
1222212	APPLE	MAC IICI	F12261A3724	COMPUTER	4612	26	\$2,976	PCTC
1146090	APPLE	MAC IICI	F1115580765	COMPUTER		TR 258	\$3,997	PCTC
1146092	APPLE	MAC IICI	F11155M3765	COMPUTER		TR 257	\$3,997	PCTC
1016392	APPLE	MAC IICX	F0072TJM5665	COMPUTER	4612	9	\$2,875	PCTC
1016394	APPLE	MAC IICX	F0073XVM5665	COMPUTER	4612	6	\$2,875	PCTC
1016393	APPLE	MAC PRO	9CM0800741	MONITOR	4612	6	\$456	PCTC
1016395	APPLE	MAC PRO	9CM0800741	MONITOR	4612	9	\$456	PCTC
1219702	APPLE	MACII CI	F12037NQ724	COMPUTER	4612	26	\$3,614	PCTC
1283437	APPLE	MACII VX	F2241JMW3B8	COMPUTER	4612	26	\$2,364	PCTC
1016396	APPLE	MACIICX	F0073XQM5665	COMPUTER	4612	9	\$2,875	PCTC
1016398	APPLE	MACIICX	F0073XPM5665	COMPUTER	4612	7	\$2,875	PCTC
1145917	APPLE	MACIISI	F2108N47C53	COMPUTER	4612	26A	\$2,836	PCTC
1146390	CLEARPOINT	DCMS-T0/MAP00	8610	DRIVE, MAG TAPE	4612	20	\$12,250	PCTC
G082908	COMPAQ	420	916145448345	MONITOR	4612	21	\$475	PCTC
G082907	COMPAQ	DESKPRO 386S	4928HT3H0082	COMPUTER	4612	21	\$2,479	PCTC
G085063	COMPAQ	DESKPRO 386S	4848HT2H0461	COMPUTER	4612	21	\$2,785	PCTC
0536683	DATAPRODUCTS	B900-101	26-V00301-B900	PRINTER	4612	19	\$9,950	PCTC
1018026	DAVTRONICS	AT386	90081736-5	COMPUTER	4612	26A	\$2,344	PCTC
1018033	DAVTRONICS	AT386	90081731-5	COMPUTER		TR 259	\$2,344	PCTC
0287951	DEC	11785-AA	FX02246	COMPUTER	4612	20	\$187,343	PCTC
1013488	DEC	3300	WF94207456	COMPUTER	4612	20	\$35,680	PCTC
1013487	DEC	640Q5-B2	WF94207885	COMPUTER	4612	20	\$35,680	PCTC
1013574	DEC	87XBA-XA	N171300976	COMPUTER	4612	20	\$327,080	PCTC
G081071	DEC	87XBA-XA	PN90128922	COMPUTER	4612	20	\$449,728	PCTC
1268433	DEC	DEBAM-AA	AS20405194	LANBRIDGE 200	4612	20	\$6,267	PCTC
G081949	DEC	DEBET-AA	AS10905	LANBRIDGE 100	4612	20	\$5,913	PCTC
0287954	DEC	DECWRITER II	PNT7369	PRINTER	4612	20	\$2,800	PCTC
1146820	DEC	DELNI-BA	AS14134560	INTERCONNECT, LAN	4612	20	\$1,199	PCTC
1146821	DEC	DELNI-BA	AS14134571	INTERCONNECT, LAN	4612	20	\$1,199	PCTC
1146822	DEC	DELNI-BA	AS34561	INTERCONNECT, LAN	4612	20	\$1,073	PCTC
1146823	DEC	DELNI-BA	AS34564	INTERCONNECT, LAN	4612	20	\$1,199	PCTC
1246820	DEC	DELNI-BA	AS14134560	INTERCONNECT, LAN	4612	22	\$0	PCTC
1018476	DEC	DELNI-BA	AS15615	INTERCONNECT, LAN		TR 259	\$1,073	PCTC
G085125	DEC	DEMSA-AA	AT09107024	MICROSERVER	4612	20	\$3,550	PCTC
G085185	DEC	DEMSA-AA	AS92403561	MICROSERVER	4612	20	\$12,240	PCTC
1152543	DEC	DEREN-AA	AS11207586	DEC REPEATER 200	4612	20	\$1,224	PCTC
0264091	DEC	DEREP	NONE	ETHERNET REPEATER	4612	20	\$960	PCTC
0264090	DEC	DEREP	NONE	ETHERNET REPEATER		TR 258	\$2,816	PCTC
1146425	DEC	DEREP	21A06223	ETHERNET REPEATER		TR 258	\$750	PCTC
1146125	DEC	DESPR-EE	AS11509134	THINWIRE.ETHERNET	4612	18	\$776	PCTC
0187424	DEC	DH-630Q2-F2	WF72113622	COMPUTER	4612	20	\$41,099	PCTC
0187425	DEC	DH-630Q2-F2	WF2113622	COMPUTER	4612	20	\$41,099	PCTC
0836084	DEC	DH-630Q2-F2	WF83217222	COMPUTER	4612	20	\$31,341	PCTC
G029004	DEC	DH-630Q2-F2	WF63711878	COMPUTER	4612	20	\$28,132	PCTC
G085182	DEC	DH-630Q2-F2	WF93218863	COMPUTER	JSC	BLDG 5	\$40,389	PCTC
G085183	DEC	DH-630Q2-F2	WF93218266	COMPUTER	JSC	BLDG 5	\$40,389	PCTC
0102518	DEC	DSRVA-AA	AG721H0080	DEC SERVER 100	4612	8	\$2,853	PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0102519	DEC	DSRVA-AA	722J5246	DEC SERVER 100	4612	26A	\$2,853 PCTC
1013575	DEC	DSRVA-AA	AG717AK852	DEC SERVER 100	4612	20	\$2,183 PCTC
0835101	DEC	DSRVB-A	AG826RY398	DEC SERVER 200	4612	20	\$3,035 PCTC
1016755	DEC	DSRVB-A	AG941PHF53	DEC SERVER 200	4612	20	\$3,040 PCTC
1016756	DEC	DSRVB-A	AG942HRU79	DEC SERVER 200	4612	20	\$3,040 PCTC
1018474	DEC	DSRVB-A	AG025MKW66	DEC SERVER 200	4612	20	\$2,129 PCTC
1145636	DEC	DSRVB-A	AG026MMF16	DEC SERVER 200	4612	20	\$2,129 PCTC
1219160	DEC	DSRVB-A	AG749JU032	DEC SERVER 200	4612	20	\$2,752 PCTC
G029082	DEC	DSRVB-A	AG718AW272	DEC SERVER 200	4612	8	\$2,751 PCTC
G029083	DEC	DSRVB-A	AG718AZ241	DEC SERVER 200	4612	20	\$2,751 PCTC
G081070	DEC	DSRVB-A	AG910BTS02	DEC SERVER 200	4612	26A	\$3,007 PCTC
G082147	DEC	DSRVB-A	AG921DMA16	DEC SERVER 200	4612	20	\$2,432 PCTC
G081069	DEC	DSRVB-A	AG910CAJ26	DEC SERVER 200	JSC		\$3,007 PCTC
1017962	DEC	DSRVB-A	AG011KYT59	DEC SERVER 200		TR 259	\$2,752 PCTC
1018364	DEC	DSRVB-A	AG001JVF19	DEC SERVER 200		TR 259	\$3,040 PCTC
1018475	DEC	DSRVB-A	AG025MKW61	DEC SERVER 200		TR 258	\$2,129 PCTC
G082148	DEC	DSRVB-A	AG921DMA10	DEC SERVER 200		TR 256	\$2,432 PCTC
1146817	DEC	DSRVF-B	AG144TNZ85	DEC SERVER 300		TR 259	\$3,502 PCTC
1146818	DEC	DSRVF-B	AG144TNZ98	DEC SERVER 300		TR 259	\$3,502 PCTC
1272383	DEC	GDM1961 (VRT19	22126416	MONITOR		TR 256	\$1,500 PCTC
1018473	DEC	H9646-AH	SP02210935	DISK CABINET	4612	20	\$1,653 PCTC
0287952	DEC	H9652MA	FX07498	UBUS EXPANSION	4612	20	\$3,000 PCTC
1146923	DEC	H9657-CA	AG147TYT80	COMPUTER	4612	20	\$29,999 PCTC
G081072	DEC	H9657EA	AS91615081	EXPANSION CABINET	4612	20	\$10,907 PCTC
1018469	DEC	HSC40	CX033A0961	HSC DISK/TAPE	4612	20	\$50,001 PCTC
1013572	DEC	HSC50-AA	CX0742	DISK CONTROLLER	4612	20	\$26,565 PCTC
1018471	DEC	LA75	TY02518929	PRINTER	4612	20	\$2,500 PCTC
0859498	DEC	LJ250	SD84112587	PRINTER	4612	25	\$1,182 PCTC
0175626	DEC	LN03	HY26443	PRINTER	4612	9	\$4,995 PCTC
G029984	DEC	LN03	58749	PRINTER	4612	24	\$2,836 PCTC
0008782	DEC	LN03	RI86179	PRINTER		TR 257	\$4,935 PCTC
1146036	DEC	LN03	73975	PRINTER		TR 259	\$1,500 PCTC
1146037	DEC	LN03+	63622	PRINTER		TR 255	\$1,500 PCTC
1218607	DEC	LN07A2	CJ11000256	PRINTER		TR 257	\$3,289 PCTC
G029007	DEC	LVP16AA	HY07880	PLOTTER	4612	26A	\$1,400 PCTC
G081074	DEC	PC380	KA83405385	COMPUTER	4612	20	\$3,200 PCTC
0011324	DEC	PRO380	KA71604991	COMPUTER	4612	20	\$5,500 PCTC
0287955	DEC	RA81-AA	CX82660	DISK DRIVE	4612	20	\$24,500 PCTC
0288808	DEC	RA81-AA	HK52314584E2	DISK DRIVE	4612	20	\$13,667 PCTC
0288809	DEC	RA81-AA	HK52314502E2	DISK DRIVE	4612	20	\$13,667 PCTC
0288810	DEC	RA81-AA	HK52314428E2	DISK DRIVE	4612	20	\$13,667 PCTC
1018472	DEC	SA600-XA	CX03311591	DISK & CAB.	4612	20	\$26,780 PCTC
1013573	DEC	SC008-AC	BT02284	STAR COUPLER	4612	20	\$6,353 PCTC
1272384	DEC	SZ16X-HA	AB234020A0	EXPANSION BOX		TR 256	\$1,817 PCTC
G081624	DEC	TU79	SP1V93365	TAPE DRIVE	4612	20	\$30,000 PCTC
0011325	DEC	VR201	SA32616	TERMINAL	4612	20	\$750 PCTC
G081073	DEC	VR201	SA7163808C	TERMINAL	4612	20	\$650 PCTC
G029008	DEC	VR240	Y4E043623	MONITOR	4612	7	\$445 PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1080620	DEC	VR241	Y4F049468	MONITOR	4612	7	\$907 PCTC
1080626	DEC	VR241	Y5F066395	MONITOR	4612	10	\$907 PCTC
1145997	DEC	VR319	HK03705820	MONITOR	4612	22	\$1,015 PCTC
1146005	DEC	VR319	HK03705817	MONITOR	4612	22	\$1,015 PCTC
1145991	DEC	VR319	HK03705811	MONITOR		TR 257	\$1,015 PCTC
1145993	DEC	VR319	HK03705750	MONITOR		TR 257	\$1,015 PCTC
1145995	DEC	VR319	HK03705818	MONITOR		TR 256	\$1,015 PCTC
1146007	DEC	VR319	HK03705821	MONITOR		TR 257	\$1,015 PCTC
1146041	DEC	VR319-DA	HK03705819	MONITOR		TR 256	\$1,015 PCTC
1146944	DEC	VRT19-DA	IS10216263	MONITOR	4612	22A	\$610 PCTC
1146946	DEC	VRT19-DA	IS10216261	MONITOR	4612	22	\$610 PCTC
1146039	DEC	VRT19-DA	HK03705822	MONITOR		TR 257	\$1,015 PCTC
1146824	DEC	VRT19-DA	10420079	MONITOR		TR 257	\$800 PCTC
1146942	DEC	VRT19-DA	IS10216265	MONITOR		TR 255	\$610 PCTC
1146943	DEC	VRT19-DA	IS10216266	MONITOR		TR 255	\$610 PCTC
1218890	DEC	VRT19-DA	IS12334875	MONITOR		TR 259	\$3,002 PCTC
1218891	DEC	VRT19-DA	IS12334876	MONITOR		TR 259	\$3,002 PCTC
1218892	DEC	VRT19-DA	12032853	MONITOR		TR 258	\$3,002 PCTC
1146945	DEC	VRT19-TA	IS10216262	MONITOR		TR 259	\$610 PCTC
0288034	DEC	VS240	AB51800L03	BASE UNIT	4612	7	\$2,045 PCTC
0288360	DEC	VS240	AB51800G66	BASE UNIT	4612	7	\$2,045 PCTC
G029009	DEC	VS240	AB43601RG2	BASE UNIT	4612	10	\$1,000 PCTC
0264124	DEC	VS240	AB53200EB2	BASE UNIT		TR 259	\$2,045 PCTC
0268261	DEC	VS240	Y6F093897	MONITOR		TR 259	\$907 PCTC
0288345	DEC	VS240	AB519006J4	BASE UNIT		TR 259	\$2,045 PCTC
1146941	DEC	VS31S-B2	AB150003ZX	COMPUTER	4612	22	\$10,771 PCTC
1218888	DEC	VS31S-B2	AB15200VUB	COMPUTER	4612	22A	\$10,948 PCTC
1146938	DEC	VS31S-B2	AB14800UZD	COMPUTER		TR 259	\$10,771 PCTC
1146939	DEC	VS31S-B2	AB14700JTW	COMPUTER		TR 259	\$10,771 PCTC
G081380	DEC	VS410-CA	AB74801RPY	COMPUTER	4612	20	\$4,007 PCTC
1146819	DEC	VS43A-CP	AB14700JSU	COMPUTER		TR 259	\$9,971 PCTC
1146937	DEC	VS43A-CP	AB14700JX4	COMPUTER		TR 255	\$10,771 PCTC
1146940	DEC	VS43A-CP	AB14901A7D	COMPUTER		TR 257	\$10,771 PCTC
1218887	DEC	VS43A-CP	AB14700M7X	COMPUTER		TR 259	\$10,948 PCTC
1218889	DEC	VS43A-CP	AB20100838	COMPUTER		TR 258	\$10,948 PCTC
1272382	DEC	VS46K-AD	AB23103JP1	COMPUTER		TR 256	\$11,097 PCTC
0175884	DEC	VT220	TA81963	TERMINAL	4612	20	\$795 PCTC
0175885	DEC	VT220	TA81987	TERMINAL	4612	1	\$795 PCTC
0175886	DEC	VT220	TA86220	TERMINAL	4612	20	\$795 PCTC
0175887	DEC	VT220	TA86378	TERMINAL	4612	22	\$795 PCTC
0187426	DEC	VT220	HK71532634	TERMINAL	4612	22	\$418 PCTC
G029983	DEC	VT220	HK64711969	TERMINAL	4612	22A	\$580 PCTC
0187423	DEC	VT220	TA714112852	TERMINAL		TR 257	\$418 PCTC
0836086	DEC	VT320	AB53200EB2	TERMINAL	4612	24	\$345 PCTC
0836087	DEC	VT320	TA825C9082	TERMINAL	4612	22	\$345 PCTC
0836089	DEC	VT320	TA825C9219	TERMINAL	4612	24	\$345 PCTC
0836090	DEC	VT320	TA825C9815	TERMINAL	4612	22A	\$345 PCTC
0836091	DEC	VT320	TA825C9783	TERMINAL	4612	19	\$345 PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
0836098	DEC	VT320	TA825C9720	TERMINAL	4612	22A	\$345 PCTC
0836099	DEC	VT320	TA825C9975	TERMINAL	4612	22	\$345 PCTC
0836101	DEC	VT320	TA825C9577	TERMINAL	4612	22A	\$345 PCTC
0836102	DEC	VT320	TA825C96C6	TERMINAL	4612	24	\$345 PCTC
0836103	DEC	VT320	TA825C9857	TERMINAL	4612	24	\$345 PCTC
0836104	DEC	VT320	TA825C9834	TERMINAL	4612	22	\$345 PCTC
1017355	DEC	VT320	HK00638531	TERMINAL	4612	22	\$395 PCTC
1018470	DEC	VT320	ME03111518	TERMINAL	4612	20	\$3,650 PCTC
1145989	DEC	VT320	SZ02808227	TERMINAL	4612	22	\$422 PCTC
0836094	DEC	VT320	TA825C9694	TERMINAL	JSC		\$345 PCTC
0836092	DEC	VT320	TA825C9817	TERMINAL		TR 259	\$345 PCTC
0836100	DEC	VT320	TA825C9819	TERMINAL		TR 259	\$345 PCTC
1146008	DEC	VT320	SZ02808237	TERMINAL		TR 257	\$422 PCTC
G085180	DEC	VT320CA	TA922W0064	TERMINAL	JSC	BLDG 5	\$0 PCTC
G085181	DEC	VT320CA	TA923W2687	TERMINAL	JSC	BLDG 5	\$0 PCTC
0063918	DEC	VT340	TA73909700	TERMINAL	4612	22A	\$1,984 PCTC
1016594	DEC	VT340	TA00963461	TERMINAL	4612	22A	\$1,700 PCTC
1016608	DEC	VT340	TA01064002	TERMINAL	4612	22	\$1,700 PCTC
G029070	DEC	VT340	TA74111284	TERMINAL	4612	22A	\$1,941 PCTC
G029071	DEC	VT340	TA74111277	TERMINAL	4612	8	\$1,941 PCTC
0859468	DEC	VT340	TA82830257	TERMINAL	4663	M101	\$2,047 PCTC
0859466	DEC	VT340	TA82830084	TERMINAL		TR 259	\$2,047 PCTC
1016605	DEC	VT340	TA00963433	TERMINAL		TR 259	\$1,700 PCTC
1016607	DEC	VT340	TA00963470	TERMINAL		TR 256	\$1,700 PCTC
1016609	DEC	VT340	TA00963405	TERMINAL		TR 259	\$1,700 PCTC
1146924	DEC	VT420-C2	TA11993813	TERMINAL	4612	20	\$406 PCTC
1145994	DEC	VX10-AA	TA03504037	TERMINAL		TR 256	\$1,340 PCTC
1146040	DEC	VX10-AA	TA03507913	TERMINAL		TR 257	\$1,340 PCTC
1145996	DEC	VX10A-AA	TA03406576	TERMINAL	4612	22	\$1,340 PCTC
1146004	DEC	VX10A-AA	TA03508036	TERMINAL	4612	22	\$1,340 PCTC
1145990	DEC	VX10A-AA	TA03508029	TERMINAL		TR 257	\$1,340 PCTC
1145992	DEC	VX10A-AA	TA03508042	TERMINAL		TR 257	\$1,340 PCTC
1146006	DEC	VX10A-AA	TA03508022	TERMINAL		TR 257	\$1,340 PCTC
1146042	DEC	VX10A-AA	TA03508038	TERMINAL		TR 256	\$1,340 PCTC
G084931	DTK	1230	E9060273	COMPUTER	4612	22	\$920 PCTC
G029988	E-MACHINE	EMACH 1008	BP-M1825	TERMINAL	4612	10A	\$1,395 PCTC
G029978	EPSON	LX800	02017621	PRINTER	4612	18	\$230 PCTC
1268954	EXSYS STORAGE SYSTEM	4422-2B X 4	002955	DISK DRIVE	4612	20	\$14,080 PCTC
1440852	FLUKE	PM3394A/063	DM613009	OSCILLOSCOPE		TR 259	\$6,831 PCTC
1018025	GOLDSTAR	1450+	MC-00402476	MONITOR	4612	26A	\$650 PCTC
1018029	GOLDSTAR	1450+	MC-00307952	MONITOR		TR 256	\$650 PCTC
1018034	GOLDSTAR	1450+	MC-00307926	MONITOR		TR 259	\$650 PCTC
1222394	GOLDSTAR	1450_PLUS	MC-00406285	MONITOR		TR 259	\$255 PCTC
1146406	GRID	1530	K65735	COMPUTER	4612	22A	\$5,551 PCTC
1146420	GRID	1530	K65738	COMPUTER	4612	22A	\$5,551 PCTC
1146399	GRID	GRIDCASE 1530	K65723	COMPUTER	4612	24	\$5,551 PCTC
1146402	GRID SYSTEM	1530	K65728	COMPUTER	4612	22	\$5,551 PCTC
1146404	GRID SYSTEM	1530	K65726	COMPUTER	4612	22	\$5,551 PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1146795	GRID SYSTEM	1530	K85457	COMPUTER	4612	24	\$5,551 PCTC
1146407	GRID SYSTEMS	1530	K85730	COMPUTER	4612	24	\$5,551 PCTC
1146411	GRID SYSTEMS	1530	K65736	COMPUTER	4612	24	\$5,551 PCTC
1146414	GRID SYSTEMS	1530	K65724	COMPUTER	4612	22A	\$5,551 PCTC
1146796	GRID SYSTEMS	1530	K64925	COMPUTER	4612	22A	\$5,551 PCTC
G080086	GRID SYSTEMS	1530	K29606	COMPUTER	4612	24	\$11,442 PCTC
1146403	GRID SYSTEMS	1530	K65734	COMPUTER	JSC		\$5,551 PCTC
1146398	GRID SYSTEMS	1530-386	K65739	COMPUTER	4612	24	\$5,551 PCTC
1146405	GRID SYSTEMS	1530-386	K65737	COMPUTER	4612	22	\$5,551 PCTC
1146408	GRID SYSTEMS	1530-386	K65727	COMPUTER	4612	24	\$5,551 PCTC
1146409	GRID SYSTEMS	1530-386	K65733	COMPUTER	4612	22	\$5,551 PCTC
1146415	GRID SYSTEMS	1530-386	K65729	COMPUTER	4612	24	\$5,551 PCTC
1146410	GRID SYSTEMS	1530-386	K65732	COMPUTER		TR 259	\$5,551 PCTC
1146401	GRID SYSTEMS	1530/386	K65731	COMPUTER	JSC	BLDG 5	\$0 PCTC
G080085	GRID SYSTEMS	1530/386	K29605	COMPUTER		TR 259	\$11,442 PCTC
0834589	HARD ENGINEERING	635	00498	RS-232 BREAKOUT BOX	4612	26A	\$3,295 PCTC
0834756	HEWLETT PACKARD	HP33440	2814J13206	PRINTER	4612	9	\$1,751 PCTC
1218920	HEWLETT PACKARD	HP33481A	3128JG0JJM	PRINTER	4612	18	\$1,010 PCTC
1218904	HEWLETT PACKARD	HP9195A	2812J92807	SCANNER		TR 255	\$1,732 PCTC
1018024	HEWLETT PACKARD	LASERJET II	3022A17602	PRINTER		TR 258	\$2,832 PCTC
1152592	HEWLETT PACKARD	LASERJET III		PRINTER	4612	25	\$0 PCTC
1218921	HEWLETT PACKARD	LASERJET III	3128JG05J9	PRINTER	4612	26A	\$1,010 PCTC
1145576	HEWLETT PACKARD	LASERJETII	3003JG2J57	PRINTER	4612	5	\$1,871 PCTC
1222204	HITACHI	RASTER OPS	Y2E019553	MONITOR	4612	26	\$3,576 PCTC
1283171	LACIE LTD	ZFP	114435	DISK DRIVE	4612	26	\$366 PCTC
1016397	MAGNAVOX	9CM080 0741	61578527	MONITOR	4612	7	\$456 PCTC
1016391	MAGNAVOX	9CM0800741	61578565	MONITOR	4612	9	\$456 PCTC
G029073	MOUSE	TBS192RS96	73707	TRACKBALL ASSY	JSC		\$1,308 PCTC
0177315	NATIONAL INSTRUMENT	180240-01	61492	GPIB BUS EXTENDER	4612	20	\$1,195 PCTC
0177314	NATIONAL INSTRUMENTS	GPIB100	9353	BUS EXTENSION	4612	20	\$1,195 PCTC
0177316	NATIONAL INSTRUMENTS	GPIB100	9348	BUS EXTENSION	4612	20	\$1,195 PCTC
0177317	NATIONAL INSTRUMENTS	GPIB100	61494	BUS EXTENSION	4612	20	\$1,195 PCTC
0286074	NATIONAL INSTRUMENTS	GPIB100	1037	BUS EXTENSION	4612	20	\$1,195 PCTC
0286075	NATIONAL INSTRUMENTS	GPIB100	1056	BUS EXTENSION	4612	20	\$1,195 PCTC
1268569	NEC	JC-1532VMA	29M07241C	MONITOR		TR 257	\$647 PCTC
G030667	NEC	JC1401P3A	74001400W	MONITOR	4612	24	\$610 PCTC
1151678	NEC	JC1404HMA1	14M40960	MONITOR	4612	27	\$650 PCTC
1151679	NEC	JC1404HMA1	14M39797	MONITOR	4612	27	\$650 PCTC
1151681	NEC	JC1404HMA1	14M39796	MONITOR	4612	18	\$650 PCTC
1151683	NEC	JC1404HMA1	14M40963	MONITOR	4612	10A	\$650 PCTC
1151684	NEC	JC1404HMA1	11D07239	MONITOR	4612	26A	\$650 PCTC
1151686	NEC	JC1404HMA1	14M40964	MONITOR	4612	18	\$650 PCTC
1151687	NEC	JC1404HMA1	14M40965	MONITOR	4612	18	\$650 PCTC
1151947	NEC	JC1404HMA1	16M47479	MONITOR	4612	24	\$650 PCTC
1153132	NEC	JC1404HMA1	16M46999	MONITOR	4612	25	\$650 PCTC
1151677	NEC	JC1404HMA1	14M39790	MONITOR		TR 258	\$650 PCTC
1151680	NEC	JC1404HMA1	14M40970	MONITOR		TR 259	\$650 PCTC
1151682	NEC	JC1404HMA1	14M40959	MONITOR		TR 258	\$650 PCTC

Table-1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1151685	NEC	JC1404HMA1	14M40966	MONITOR		TR 256	\$650 PCTC
1154719	NEC	JC1404HMA1	14M41309	MONITOR		TR 257	\$650 PCTC
1154720	NEC	JC1404HMA1	16M46960	MONITOR		TR 257	\$650 PCTC
1146087	NEC	MULTISYNC 3D	13M52424Z	MONITOR	4612	10A	\$398 PCTC
0834608	NEC	MULTISYNC3D	82K05261Z	MONITOR	4612	9	\$650 PCTC
1082046	NEC	MULTISYNC3D	0XN18452	MONITOR	4612	5	\$650 PCTC
1145916	NEC	MULTISYNC3D	13M52228Z	MONITOR	4612	26A	\$398 PCTC
1146088	NEC	MULTISYNC3D	13M51875Z	MONITOR	4612	27	\$398 PCTC
1146089	NEC	MULTISYNC3D	13M51872Z	MONITOR	4612	18	\$398 PCTC
1146085	NEC	MULTISYNC3D	13M51869Z	MONITOR		TR 257	\$398 PCTC
1146086	NEC	MULTISYNC3D	13M51991Z	MONITOR		TR 258	\$398 PCTC
1271522	PANASONIC	KX-P1123	2BKBCD38454	PRINTER	4612	21	\$472 PCTC
1219716	SEIKO	CM1445	1CM3763B	MONITOR	4612	26	\$556 PCTC
1219717	SEIKO	CM1445	1CM3675B	MONITOR	4612	26	\$556 PCTC
1283428	SEIKO	CM1445	27M5376B	MONITOR	4612	26	\$449 PCTC
1269127	SEIKO	CM1450C	1CM8778A	MONITOR	4612	24	\$650 PCTC
1269129	SEIKO	CM1450C	1CM8662A	MONITOR	4612	26A	\$650 PCTC
1269085	SEIKO	CM1450C	1CM8502	MONITOR		TR 256	\$650 PCTC
1269123	SEIKO	CM1450C	1CM8510A	MONITOR		TR 256	\$650 PCTC
1269124	SEIKO	CM1450C	1CM6230A	MONITOR		TR 257	\$650 PCTC
1269125	SEIKO	CM1450C	1CM8523A	MONITOR		TR 258	\$650 PCTC
1269126	SEIKO	CM1450C	1CM8923A	MONITOR		TR 257	\$650 PCTC
1269128	SEIKO	CM1450C	1CM8522A	MONITOR		TR 257	\$650 PCTC
1269130	SEIKO	CM1450C	1CM8609A	MONITOR		TR 257	\$650 PCTC
1269131	SEIKO	CM1450C	1CM8941A	MONITOR		TR 258	\$650 PCTC
0834595	SONY	CPD1302	5016821	MONITOR	4612	1	\$710 PCTC
0834593	SONY	CPD1302	5016035	MONITOR		TR 255	\$4,105 PCTC
1223221	SUN	147B	217F0388	COMPUTER, MICRO	4610	1007	\$6,407 PCTC
1223243	SUN	147B	212F1013	COMPUTER, MICRO	4610	1007	\$6,407 PCTC
1223304	SUN	811	220G261	DISK DRIVE UNIT	4610	1007	\$3,420 PCTC
1223222	SUN	GDM1982B	9146DX0047	DISPLAY UNIT	4610	1007	\$5,000 PCTC
1223244	SUN	GDM1982B	9145DX0841	DISPLAY UNIT	4610	1007	\$5,000 PCTC
1223220	SUN	SPRN6400	9151819449	PRINTER, ADP	4610	1007	\$1,887 PCTC
1223246	SUN	SPRN6400	9146818565	PRINTER, ADP	4610	1007	\$1,887 PCTC
1271524	SWAN	11-0F00-0008-2	WB312001	MONITOR	4612	21	\$399 PCTC
1271523	SWAN	386SX20C-B	0068709	COMPUTER	4612	21	\$2,000 PCTC
0728680	TEKTRONIX	475	B276701	OSCILLOSCOPE	4612	25	\$3,795 PCTC
0541004	TEKTRONIX	475A	B025238	OSCILLOSCOPE		TR 259	\$4,657 PCTC
0835216	TELEX	GD-H2114US	T16280679	MONITOR	4612	22	\$635 PCTC
0835792	UNISYS	UNISYS 37	008708	PRINTER		TR 256	\$2,333 PCTC
1287538	VITALINK	M320E-X15	7C0066C8	LAN BRIDGE	JSC		\$0 PCTC
1287537	VITALINK	M320E-Z15	7C0066AD	LAN BRIDGE	4612	20	\$4,685 PCTC
1281869	VMIC	PS400-12	1003	REALTIME INTERFACE	4612	24 H/B	\$23,642 PCTC
1281870	VMIC	PS400-12	1004	REALTIME INTERFACE	4612	24 H/B	\$23,642 PCTC
1281871	VMIC	PS400-12	1005	REALTIME INTERFACE	4612	24	\$23,642 PCTC
1082052	WIN LABS LTD	AT386	AT90120415	COMPUTER	4612	5	\$2,985 PCTC
1151689	WIN LABS LTD	AT386	AT91075805	COMPUTER	4612	27	\$2,985 PCTC
1151690	WIN LABS LTD	AT386	AT91076405	COMPUTER	4612	27	\$2,985 PCTC

Table 1 - ADP Equipment Maintenance List (cont'd)

NEMS	VENDOR	MODEL NO.	SERIAL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1151692	WIN LABS LTD	AT386	AT91076105	COMPUTER	4612	18	\$2,985 PCTC
1151694	WIN LABS LTD	AT386	AT91076605	COMPUTER	4612	10A	\$2,985 PCTC
1151695	WIN LABS LTD	AT386	AT91076705	COMPUTER	4612	26A	\$2,985 PCTC
1151697	WIN LABS LTD	AT386	AT91077705	COMPUTER	4612	18	\$2,985 PCTC
1151698	WIN LABS LTD	AT386	AT91076005	COMPUTER	4612	18	\$2,985 PCTC
1151923	WIN LABS LTD	AT386	AT91071613	COMPUTER	4612	24	\$2,070 PCTC
1153133	WIN LABS LTD	AT386	AT91073213	COMPUTER	4612	25	\$2,070 PCTC
1269080	WIN LABS LTD	AT386	AT20702902	COMPUTER	4612	24	\$1,925 PCTC
1269082	WIN LABS LTD	AT386	AT20706202	COMPUTER	4612	26A	\$1,925 PCTC
1151688	WIN LABS LTD	AT386	AT91076205	COMPUTER		TR 258	\$2,985 PCTC
1151691	WIN LABS LTD	AT386	AT91077405	COMPUTER		TR 259	\$2,985 PCTC
1151693	WIN LABS LTD	AT386	AT91077005	COMPUTER		TR 258	\$2,985 PCTC
1151696	WIN LABS LTD	AT386	AT91076305	COMPUTER		TR 256	\$2,985 PCTC
1154702	WIN LABS LTD	AT386	AT91105717	COMPUTER		TR 257	\$1,925 PCTC
1154703	WIN LABS LTD	AT386	AT91107516	COMPUTER		TR 257	\$1,925 PCTC
1269075	WIN LABS LTD	AT386	AT20704602	COMPUTER		TR 256	\$1,925 PCTC
1269076	WIN LABS LTD	AT386	AT20709702	COMPUTER		TR 256	\$1,925 PCTC
1269077	WIN LABS LTD	AT386	AT20708402	COMPUTER		TR 257	\$1,925 PCTC
1269078	WIN LABS LTD	AT386	AT20708602	COMPUTER		TR 258	\$1,925 PCTC
1269079	WIN LABS LTD	AT386	AT20703402	COMPUTER		TR 257	\$1,925 PCTC
1269081	WIN LABS LTD	AT386	AT20703202	COMPUTER		TR 257	\$1,925 PCTC
1269083	WIN LABS LTD	AT386	AT20708802	COMPUTER		TR 257	\$1,925 PCTC
1269084	WIN LABS LTD	AT386	AT20704202	COMPUTER		TR 258	\$1,925 PCTC
0289589				DISK DRIVE EXPANSION		TR 255	\$533 PCTC
						TOTALS	\$23,918.923

Table 2 - Desktop Equipment for Contractor Use

NEMS	VENDOR	MODEL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
65439	APPLE	HARD DISK 20	DISK DRIVE UNIT	4650	206	\$973	HOSC
1145883	APPLE	M0401	DISPLAY UNIT	4650	13	\$819	HOSC
1148321	APPLE	M0401	DISPLAY UNIT	4663	A281	\$1,995	HOSC
1285459	APPLE	M1205	COMPUTER, MICRO	4663	A265	\$2,930	HOSC
1400874	APPLE	M2118	COMPUTER, MICRO	4663	A267	\$1,895	HOSC
1401826	APPLE	M2494	DISPLAY UNIT	4663	A267	\$940	HOSC
G020686	APPLE	M5252	COMPUTER, MICRO	4650	206	\$5,800	HOSC
1145881	APPLE	M5780	COMPUTER, MICRO	4650	13	\$4,219	HOSC
1148177	APPLE	MS780	COMPUTER, MICRO	4663	A281	\$3,699	HOSC
1269230	SEIKO	CM1450C	DISPLAY UNIT	4663	A205	\$850	HOSC
1269231	SEIKO	CM1450C	DISPLAY UNIT	4663	A124	\$850	HOSC
1269233	SEIKO	CM1450C	DISPLAY UNIT	4650	209	\$850	HOSC
1269235	SEIKO	CM1450C	DISPLAY UNIT	4650	C	\$850	HOSC
1269237	SEIKO	CM1450C	DISPLAY UNIT	4650	B	\$850	HOSC
1269248	SEIKO	CM1450C	DISPLAY UNIT	4650	11	\$850	HOSC
1269258	SEIKO	CM1450C	DISPLAY UNIT	4650	11	\$850	HOSC
1269259	SEIKO	CM1450C	DISPLAY UNIT	4663	M200	\$850	HOSC
1269260	SEIKO	CM1450C	DISPLAY UNIT	4650	11	\$850	HOSC
1269262	SEIKO	CM1450C	DISPLAY UNIT	4650	11	\$850	HOSC
1269270	SEIKO	CM1450C	DISPLAY UNIT	4663	A109	\$850	HOSC
1271043	SEIKO	CM1450C	DISPLAY UNIT	4663	M200	\$850	HOSC
1271085	SEIKO	CM1450C	DISPLAY UNIT	4663	A124	\$850	HOSC
8654	WIN	WIN AT386	COMPUTER, MICRO	4650	11	\$3,845	HOSC
8659	WIN	WIN AT386	COMPUTER, MICRO	4663	A109	\$3,845	HOSC
1016039	WIN	WIN AT386	COMPUTER, MICRO	4650	C	\$3,845	HOSC
1016041	WIN	WIN AT386	COMPUTER, MICRO	4650	13	\$3,845	HOSC
1016306	WIN	WIN AT386	COMPUTER, MICRO	4650	210	\$3,845	HOSC
1016307	WIN	WIN AT386	COMPUTER, MICRO	4650	209	\$3,845	HOSC
1016308	WIN	WIN AT386	COMPUTER, MICRO	4650	C	\$3,845	HOSC
1082054	WIN	WIN AT386	COMPUTER, MICRO	4650	206	\$2,985	HOSC
1082055	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$2,985	HOSC
1150185	WIN	WIN AT386	COMPUTER, MICRO	4663	A109	\$2,985	HOSC
1150172	WIN	WIN AT386	COMPUTER, MICRO	4650	A	\$2,985	HOSC
1150174	WIN	WIN AT386	COMPUTER, MICRO	4650	207	\$2,985	HOSC
1150175	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$2,985	HOSC
1150176	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$2,985	HOSC
1151591	WIN	WIN AT386	COMPUTER, MICRO	4650	210	\$2,985	HOSC
1151916	WIN	WIN AT386	COMPUTER, MICRO	4650	12	\$2,070	HOSC
1151918	WIN	WIN AT386	COMPUTER, MICRO	4663	A223	\$2,070	HOSC
1151921	WIN	WIN AT386	COMPUTER, MICRO	4650	12	\$2,070	HOSC
1151924	WIN	WIN AT386	COMPUTER, MICRO	4650	207	\$2,070	HOSC
1151926	WIN	WIN AT386	COMPUTER, MICRO	4650	209	\$2,070	HOSC
1151929	WIN	WIN AT386	COMPUTER, MICRO	4650	210	\$2,070	HOSC
1151931	WIN	WIN AT386	COMPUTER, MICRO	4650	206	\$2,070	HOSC
1151935	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$2,070	HOSC
1219810	WIN	WIN AT386	COMPUTER, MICRO	4650	139	\$1,925	HOSC
1269138	WIN	WIN AT386	COMPUTER, MICRO	4663	A124A	\$1,925	HOSC
1269139	WIN	WIN AT386	COMPUTER, MICRO	4663	A300	\$1,925	HOSC

Table 2 - Desktop Equipment for Contractor Use (cont'd)

NEMS	VENDOR	MODEL NO.	DESCRIPTION	BLDG	ROOM	COST	AREA
1269140	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$1,925	HOSC
1269141	WIN	WIN AT386	COMPUTER, MICRO	4663	A124	\$1,925	HOSC
1269143	WIN	WIN AT386	COMPUTER, MICRO	4650	209	\$1,925	HOSC
1269145	WIN	WIN AT386	COMPUTER, MICRO	4650	C	\$1,925	HOSC
1269146	WIN	WIN AT386	COMPUTER, MICRO	4663	A205	\$1,925	HOSC
1269147	WIN	WIN AT386	COMPUTER, MICRO	4650	B	\$1,925	HOSC
1269158	WIN	WIN AT386	COMPUTER, MICRO	4650	11	\$1,925	HOSC
1269168	WIN	WIN AT386	COMPUTER, MICRO	4650	11	\$1,925	HOSC
1269169	WIN	WIN AT386	COMPUTER, MICRO	4650	11	\$1,925	HOSC
1269170	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$1,925	HOSC
1269172	WIN	WIN AT386	COMPUTER, MICRO	4650	11	\$1,925	HOSC
1270920	WIN	WIN AT386	COMPUTER, MICRO	4663	M200	\$1,506	HOSC
1286305	WIN	WIN AT486	COMPUTER, MICRO	4650	201	\$1,859	HOSC
1286325	WIN	WIN AT486	COMPUTER, MICRO	4650	202	\$1,735	HOSC
1286328	WIN	WIN AT486	COMPUTER, MICRO	4650	206	\$1,735	HOSC
1286334	WIN	WIN AT486	COMPUTER, MICRO	4663	A220	\$1,735	HOSC
1286335	WIN	WIN AT486	COMPUTER, MICRO	4650	13	\$1,735	HOSC
1286336	WIN	WIN AT486	COMPUTER, MICRO	4663	M200	\$1,735	HOSC
1286342	WIN	WIN AT486	COMPUTER, MICRO	4650	203	\$1,735	HOSC
1286344	WIN	WIN AT486	COMPUTER, MICRO	4663	M200	\$1,735	HOSC
1286345	WIN	WIN AT486	COMPUTER, MICRO	4650	204	\$1,735	HOSC
1286346	WIN	WIN AT486	COMPUTER, MICRO	4650	205	\$1,735	HOSC
G082064	WIN	WIN TURBO AT	COMPUTER, MICRO	4663	A109	\$2,950	HOSC
G082065	WIN	WIN TURBO AT	COMPUTER, MICRO	4650	12	\$2,950	HOSC
G082070	WIN	WIN TURBO AT	COMPUTER, MICRO	4663	A275	\$3,222	HOSC
1148857	APPLE	M0001A	COMPUTER, MICRO	4612	1	\$1,290	PCTC
G030667	NEC	JC1402HMA	DISPLAY UNIT	4612	HIBAY	\$610	PCTC
1016469	NEC	JC1404HMA	DISPLAY UNIT	4612	9	\$650	PCTC
1082046	NEC	JC1404HMA1	DISPLAY UNIT	4612	5	\$650	PCTC
1151677	NEC	JC1404HMA1	DISPLAY UNIT	T258	1	\$650	PCTC
1151678	NEC	JC1404HMA1	DISPLAY UNIT	4612	19	\$650	PCTC
1151679	NEC	JC1404HMA1	DISPLAY UNIT	4612	19	\$650	PCTC
1151680	NEC	JC1404HMA1	DISPLAY UNIT	T259	1	\$650	PCTC
1151681	NEC	JC1404HMA1	DISPLAY UNIT	4612	18	\$650	PCTC
1151682	NEC	JC1404HMA1	DISPLAY UNIT	T258	1	\$650	PCTC
1151683	NEC	JC1404HMA1	DISPLAY UNIT	4612	10A	\$650	PCTC
1151684	NEC	JC1404HMA1	DISPLAY UNIT	4612	26A	\$650	PCTC
1151685	NEC	JC1404HMA1	DISPLAY UNIT	4612	18	\$650	PCTC
1151686	NEC	JC1404HMA1	DISPLAY UNIT	4612	18	\$650	PCTC
1151687	NEC	JC1404HMA1	DISPLAY UNIT	4612	18	\$650	PCTC
1151947	NEC	JC1404HMA1	DISPLAY UNIT	T255	1	\$650	PCTC
1153132	NEC	JC1404HMA1	DISPLAY UNIT	4612	25	\$650	PCTC
1154719	NEC	JC1404HMA1	DISPLAY UNIT	4612	24	\$650	PCTC
1154720	NEC	JC1404HMA1	DISPLAY UNIT	T257	1	\$650	PCTC
1145916	NEC	JC1405HMAHC	DISPLAY UNIT	4612	26A	\$398	PCTC
1146085	NEC	JC1405HMAHC	DISPLAY UNIT	T257	1	\$398	PCTC
1146086	NEC	JC1405HMAHC	DISPLAY UNIT	T258	1	\$398	PCTC
1146087	NEC	JC1405HMAHC	DISPLAY UNIT	4612	10A	\$398	PCTC

Table 2 - Desktop Equipment for Contractor Use (cont'd)

NEMS	VENDOR	MODEL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1148088	NEC	JC1405HMAHC	DISPLAY UNIT	4612	19	\$398 PCTC
1148089	NEC	JC1405HMAHC	DISPLAY UNIT	4612	18	\$398 PCTC
1288569	NEC	JC1532VMA	DISPLAY UNIT	T258	1	\$847 PCTC
1269085	SEIKO	CM1450C	DISPLAY UNIT	T256	2	\$850 PCTC
1269123	SEIKO	CM1450C	DISPLAY UNIT	T256	2	\$850 PCTC
1269124	SEIKO	CM1450C	DISPLAY UNIT	T257	1	\$850 PCTC
1269125	SEIKO	CM1450C	DISPLAY UNIT	T258	1	\$850 PCTC
1269126	SEIKO	CM1450C	DISPLAY UNIT	T258	0	\$850 PCTC
1269127	SEIKO	CM1450C	DISPLAY UNIT	T257	1	\$850 PCTC
1269128	SEIKO	CM1450C	DISPLAY UNIT	T257	1	\$850 PCTC
1269129	SEIKO	CM1450C	DISPLAY UNIT	4612	26A	\$850 PCTC
1269130	SEIKO	CM1450C	DISPLAY UNIT	4612	HYBAY	\$850 PCTC
1269131	SEIKO	CM1450C	DISPLAY UNIT	T258	1	\$850 PCTC
1269222	SEIKO	CM1450C	DISPLAY UNIT	4612	9	\$850 PCTC
1269225	SEIKO	CM1450C	DISPLAY UNIT	4612	26	\$850 PCTC
1269226	SEIKO	CM1450C	DISPLAY UNIT	4612	H. BAY	\$850 PCTC
1016483	WIN	WIN AT386	COMPUTER, MICRO	4612	9	\$4,117 PCTC
1082052	WIN	WIN AT386	COMPUTER, MICRO	4612	5	\$2,985 PCTC
1151688	WIN	WIN AT386	COMPUTER, MICRO	T258	1	\$2,985 PCTC
1151689	WIN	WIN AT386	COMPUTER, MICRO	4612	19	\$2,985 PCTC
1151690	WIN	WIN AT386	COMPUTER, MICRO	4612	19	\$2,985 PCTC
1151691	WIN	WIN AT386	COMPUTER, MICRO	T259	1	\$2,985 PCTC
1151692	WIN	WIN AT386	COMPUTER, MICRO	4612	18	\$2,985 PCTC
1151693	WIN	WIN AT386	COMPUTER, MICRO	T258	1	\$2,985 PCTC
1151694	WIN	WIN AT386	COMPUTER, MICRO	4612	10A	\$2,985 PCTC
1151695	WIN	WIN AT386	COMPUTER, MICRO	4612	26A	\$2,985 PCTC
1151696	WIN	WIN AT386	COMPUTER, MICRO	4612	18	\$2,985 PCTC
1151697	WIN	WIN AT386	COMPUTER, MICRO	4612	18	\$2,985 PCTC
1151698	WIN	WIN AT386	COMPUTER, MICRO	4612	18	\$2,985 PCTC
1151923	WIN	WIN AT386	COMPUTER, MICRO	4612	MOD2	\$2,070 PCTC
1153133	WIN	WIN AT386	COMPUTER, MICRO	4612	25	\$2,070 PCTC
1154702	WIN	WIN AT386	COMPUTER, MICRO	4612	24	\$1,925 PCTC
1154703	WIN	WIN AT386	COMPUTER, MICRO	T257	1	\$1,925 PCTC
1269075	WIN	WIN AT386	COMPUTER, MICRO	T256	2	\$1,925 PCTC
1269076	WIN	WIN AT386	COMPUTER, MICRO	T256	2	\$1,925 PCTC
1269077	WIN	WIN AT386	COMPUTER, MICRO	T257	1	\$1,925 PCTC
1269078	WIN	WIN AT386	COMPUTER, MICRO	T258	1	\$1,925 PCTC
1269079	WIN	WIN AT386	COMPUTER, MICRO	T258	1	\$1,925 PCTC
1269080	WIN	WIN AT386	COMPUTER, MICRO	T257	1	\$1,925 PCTC
1269081	WIN	WIN AT386	COMPUTER, MICRO	T257	1	\$1,925 PCTC
1269082	WIN	WIN AT386	COMPUTER, MICRO	4612	26A	\$1,925 PCTC
1269083	WIN	WIN AT386	COMPUTER, MICRO	4612	HYBAY	\$1,925 PCTC
1269084	WIN	WIN AT386	COMPUTER, MICRO	T258	1	\$1,925 PCTC
1269132	WIN	WIN AT386	COMPUTER, MICRO	4612	9	\$1,925 PCTC
1269135	WIN	WIN AT386	COMPUTER, MICRO	4612	26	\$1,925 PCTC
1269136	WIN	WIN AT386	COMPUTER, MICRO	4612	H. BAY	\$1,925 PCTC
G082072	WIN	WIN TURBO AT	COMPUTER, MICRO	4612	6	\$3,222 PCTC
G030868	WIN	WINTURBOAT	COMPUTER, MICRO	T255	1	\$1,994 PCTC

Table 2 - Desktop Equipment for Contractor Use (cont'd)

NEMS	VENDOR	MODEL NO.	DESCRIPTION	BLDG	ROOM	COST AREA
1081333	INTERGRAPH		MONITOR, 19", COLOR	4663	M200	
1081332	INTERGRAPH	SERIES 2000	WORKSTATION	4663	M200	
1442978	INTERGRAPH	TX-D1751W	MONITOR, COLOR	4663	M200	
1442520	INTERGRAPH	TD-2	WORKSTATION	4663	M200	
1441058	INTERGRAPH		CD-ROM DRIVE	4663	M200	
1081242	INTERGRAPH		HARD DRIVE ASSEMBLY, 670 MB	4663	M200	
1401690	INTERGRAPH	2217	LASER PRINTER	4663	M200	

ATTACHMENT J-8

INSTALLATION-PROVIDED PROPERTY AND SERVICES

The Government will provide property, equipment, and services as available and necessary for performance pursuant to the contract Sections. The following property, equipment, and services will be available for on-site effort on a no-charge for use basis. This list may not be all inclusive and may change depending on the Government's assessment of need.

- a. Office Space, Furniture, and Equipment
Office Space, furniture, furnishing, and equipment (excluding calculators). Maintenance and repair of the building, office space, furniture, furnishing, and equipment will be provided. Approximately 25,000 square feet of installation-provided office space will be available to the UMS contractor.
- b. Instrumentation, Calibration and Repair, and Metrology
Calibration and Metrology serviced for portable, commercial test equipment.
- c. Photography
Photographic support services.
- d. Transportation
Day shift taxi for office personnel transportation around MSFC.
- e. Reproduction - Blueprint, Microfilm, and Printing
Reproduction services for diazo reproduction of engineering prints. Quick copying machines will also be provided.
- f. Fire Protection
Fire prevention and fire protection equipment and services. Mobile items, including trucks and crews, are available and will be provided as required.
- g. Security
Base security services.
- h. Medical
 - (1) Emergency first aid care and ambulance service.
 - (2) Physical examinations for certifications as required by NASA/MSFC regulations.
- i. Refuse Collection
Refuse collection.

- i. Refuse Collection
Refuse collection.
- j. Food Service
Service will be provided during normal duty hours. In addition, snack bars and vending machines are available.
- k. Library Services
Library service as available at MSFC.
- l. Mail Service
On-post mail service will be limited to a single onsite location.
- m. Safety Equipment
Special safety equipment will be provided; however, personal safety items, i. e., gloves, goggles, hats, coveralls, shoes, etc., will not be Government-furnished.
- n. Vehicle Maintenance
Maintenance and gasoline for Government-owned vehicles.
- o. Janitorial Services
Janitorial services and supplies for the Government provided facilities.
- p. Electrical Motors
Servicing and repairs, exclusive of controls.
- q. Supplies, Materials, and Spare Parts
From Government Stores Stock (MSFC Supply - Federal Groups 13 through 99) standard supplies and materials will be made available to Contractors.
- r. Tools
Special tools and equipment as required. Hand tools will not be Government-furnished. (Personal tools will be provided by the Contractor.)

ATTACHMENT J-9

APPLICABLE REGULATIONS AND PROCEDURES

In addition to the regulations and procedures identified elsewhere in this contract, the following regulations and procedures, and the latest revision thereto, will be applicable to the contractor in performing the UMS contract. This listing is not intended to relieve the contractor of its responsibility for identification of applicable regulations and procedures and compliance therewith, when performing work onsite at MSFC.

OMB CIRCULARS

Circular A-130 Management of Federal Resources

NASA HANDBOOKS AND STANDARDS

NFS 18-52.204.77	Submission of Security Plan for Unclassified Federal Computer Systems
NFS 18-52.204-78	Security Plan for Unclassified Federal Computer Systems
NFS 18-52.242-73	NASA Contractor Financial Management Reporting
NHB 1700.1 (VT)	NASA Safety Manual - Fire Protection
NHB 2410.1	NASA Information Resources Management Handbook
NHB 2410.9	NASA Automated Information Security Handbook
NHB 4100.1	NASA Materials Inventory Management
NHB 4200.1	NASA Equipment Management Manual
NHB 4200.2	NASA Equipment Management System (NEMS) User's Guide for Property Custodians
NHB 5100.4A	Federal Acquisition Regulation Supplement, (NASA/FAR Supplement) Part 18-5 and latest revisions thereto
NHB 9501.2	Procedures for Contractor Reporting of Correlated Cost and Performance Data
NSS 1740.11	NASA Safety Standard for Fire Protection

NASA MANAGEMENT INSTRUCTIONS

NMI 4000.2	NASA Equipment Management
NMI 8610.11	Control of Access to Operative Voice Communications Circuits - Space Shuttle Operations
NMI 9501.1	Contractor Financial Management Reporting

MARSHALL MANAGEMENT INSTRUCTIONS

MMI 1620.6	MSFC Space Transportation System Physical Security Policy and Requirements
MMI 1700.1	Fire Prevention Program
MMI 1700.10	Maintenance of Fire Surveillance and Suppression System
MMI 1700.11	Protection for Personnel and Property
MMI 1700.14	Safety Coordinators and Safety Monitors for MSFC Buildings and Structures
MMI 1700.16	Safety and Health Program
MMI 1710.3	Hazard Warning Tags
MMI 1710.4	Safety Permits
MMI 1710.6	MSFC Program for Personnel Certification
MMI 1711.2	Mishaps Reporting and Investigation
MMI 1810.1, (Ch. 1)	Occupational Medical Program
MMI 1810.3	Respiratory Protection Program
MMI 1820.1, (Ch. 1)	MSFC Hearing conservation Program
MMI 1840.1, (Ch. 1)	Environmental Health Services
MMI 1845.1	MSFC Hazard Communication Program
MMI 2410.5	Acquisition of Information Processing Resources

MMI 2410.6	Protection and Control of Restricted Computer Software
MMI 2410.7	General Purpose Computational Support
MMI 2410.8	Distribution of NASA Computer Programs
MMI 2410.9	Computer Asset Protection
MMI 2410.10	Assuring the Security and Integrity of MSFC Automated Information Resources
MMI 2520.2	Telecommunications Services
MMI 5330.4	Deviation Approval Requests Requirements
MMI 8040.15	MSFC Configuration Management Plan
MMI 8040.19	Engineering Change Requests
MMI 8800.3	MSFC Environmental Management Program

MARSHALL MANUALS

MM 1040.3	MSFC Emergency Plan
MM 1700.4	Safety and Environmental Health Standards
MM 1845.2	MSFC Hazardous Chemicals in Laboratories Protection Program
MM 1860.2	Radiation Safety Manual
MM 2410.13	MSFC General Purpose Software Development and Management Requirements Manual
MM 4000.1	Property Management Manual
MM 5151.5	Performance Evaluation Operating Manual for CPAF Contracts

STANDARD OPERATING PROCEDURES

ISO 2410.10	Evaluation and Certification of Sensitive Applications
ISO 4000.1	Review of Excess Computer Equipment
1P117-	Request For Service

3B12	Configuration Management of Cisco Routers in the PSCNI
4B12	Preparation of Spacelab Video Tapes Received from Johnson Space Center
9B3	Test Equipment Calibration and Accountability
9B7	Review and Audit of Data Processing Installation
9B9	Battery Rooms and Battery Charging Equipment
9B15	Operation of Powered Industrial Forklifts
9B16	Asbestos Areas
10B221	Establishing and Maintaining a Sensitive Application Systems and Facilities Access List
10B227	Reporting Attempted Unauthorized Access to Computer/Communications Systems
10B228	Destruction of Sensitive Application Data
10B229	Review of New Acquisition for Automated Information Security Implications
11B101	Network Processing Center Backup and Recovery
11B104	Network Processing Center Configuration Management
14B124	Notification of Emergencies at Marshall Space Flight Center and Other NASA Sites
14B135	Monitoring and Disseminating Weather Information at Marshall Space Flight Center
14B140	Planned Outages on the Marshall Space Flight Center Gateway and Private Automatic Branch Exchange
14B142	Synchronization of System Clocks
15B105	Development and Maintenance of NASA PSCN End-User Services Directories

16B110	Central Distribution Center/Payload Crew Training Complex Communications Systems Tests
16B111	Verification and Repair Certification of Marshall Space Flight Center Audio/Video Distribution System
16B114	Distribution of Television for Shuttle Missions
16B205	Reporting, Documenting, and Updating Circuit Port Assignments
17B101	Network Management Center

STANDARDS

This table identifies applicability of standards by mainframe (main), minicomputer (mini), and Personal Computer (PC).

FIPS/FED-STDS/OTHER	MAIN	MINI	PC
I. INFORMATION INTERCHANGE			
a. INFORMATION INTERCHANGE CODES (S) FIPS 1-2 (ASCII)	X	X	X
b. CHARACTER SET REPRESENTATION (S) FIPS 32-1 (OCR) (S) FIPS 33-1 (OCR)	X X	X X	X X
c. GRAPHICS (S) FIPS 128 (CGM)	X	X	X
d. OPTICAL CHARACTER RECOGNITION Print Quality, Positioning, and Specifications (S) FIPS 32-1 (OCR) (S) FIPS 89 (OCR) (S) FIPS 129 (OCR)	X X	X X	X X
Forms, Paper, and Ink (S) FIPS 85 (Ink) (G) FIPS 40 (Forms)	X X	X X	X X
e. DATA TRANSMISSION			
Input/Output (I/O) Channel I/F (S) FIPS 60-2 (I/O) (S) FIPS 61-1 (I/O) (S) FIPS 62 (MT) (S) FIPS 63-1 (MSS) (S) FIPS 97 (MSS)	X X X X X	X	

(G) Guideline (P) Procedure (S) Standard

FIPS/FED-STDS/OTHER	MAIN	MINI	PC
III. SOFTWARE			
a. PROGRAMMING LANGUAGES			
(S) FIPS 21-3 (COBOL)	X	X	X
(S) FIPS 68-2 (BASIC)	X	X	X
(S) FIPS 69-1 (FORTRAN)	X	X	X
(S) FIPS 109 (PASCAL)	X	X	X
(S) FIPS 119 (Ada)	X	X	
(S) FIPS 126 (DB Language NDL)			
b. SOFTWARE MISCELLANEOUS			
(S) FIPS 53 (Documentation)	X	X	
(S) FIPS 120-1 (Graphis)	X	X	X
(S) FIPS 123 (Information Interchange)	X	X	X
(S) FIPS 151-1 (Operating Systems)	X	X	X
(S) 153 (Graphics)	X	X	X
(S) 156 (Data Management)	X	X	X
(S) 161 (EDI)	X	X	X
IV. DOCUMENTATION			
a. PROGRAM AND SYSTEMS			
(S) FIPS 30 (Software Summary)	X	X	
b. DICTIONARY FOR INFORMATION PROCESSING			
(S) FIPS 11-3 (Dictionary)	X	X	X

(G) Guideline (P) Procedure (S) Standard

FIPS/FED-STDS/OTHER	MAIN	MINI	PC
b. DATABASE/DATA DICTIONARY SYSTEMS			
(G) FIPS 76 (DDS)	X	X	
(G) FIPS 77 (Planning)	X	X	
(G) FIPS 88 (Assurance)	X	X	
(G) FIPS 110 (Management)	X	X	
(S) FIPS 124 (DMS)	X	X	
c. COMPUTER PERFORMANCE MANAGEMENT/PROTOCOLS			
(G) FIPS 49 (PM)	X	X	
(G) FIPS 121 (PLPS)	X	X	
Interactive Response/Turnaround Time			
(G) FIPS 57 (Measurement)	X	X	
Remote Batch Service			
(G) FIPS 72 (Measurement)	X	X	
Benchmarking in Acquisitions			
(G) FIPS 42-1 (Benchmark)	X	X	
(G) FIPS 75 (Benchmark)	X	X	
Charging System for ADP Services			
(G) FIPS 96 Development	X	X	
d. FEDERAL INFORMATION PROCESSING STANDARDS PROGRAM			
(P) FIPS O (General)	X	X	X
e. MANAGEMENT/OPERATIONS MISCELLANEOUS			
Automated Personnel Identification			
(G) FIPS 48 (Evaluation)	X	X	

(G) Guideline (P) Procedure (S) Standard

FIPS/FED-STDS/OTHER	MAIN	MINI	PC
Standard Occupational Codes			
(G) FIPS 92 (SOC)	X	X	X
VII. TELECOMMUNICATIONS			
a. ARCHITECTURE			
(S) FIPS 11-3 (Dictionary)	X	X	X
(S) FIPS 107 (LAN)	X	X	X
(S) FED-STD 1002 (Time/frequency)	X	X	X
b. INTERFACE			
(S) FIPS 100-1 (DTE/DCE)	X	X	
(S) FIPS 122 (DTE/DCE)	X	X	
(S) FIPS 130 (IPI)	X	X	
(S) FIPS 131 (SCSI)	X	X	X
(S) FIPS 138 (Voltage)	X	X	X
(S) FIPS 142 (Voltage)	X	X	X
(S) FIPS 143 (DTE/DCE)	X	X	X
(S) FIPS 154 (DTE/DCE)	X	X	X
(S) FIPS 158 (APP)	X	X	X
c. HARDWARE			
(S) FIPS 147 (Facsimile)	X	X	X
(S) FIPS 159 (Fiber)	X	X	X
(S) FIPS 162 (1200 bps)	X	X	X
(S) FIPS 163 (2400 bps)	X	X	X
(S) FIPS 164 (2400 bps)	X	X	X
(S) FIPS 165 (4800 bps)	X	X	X
(S) FIPS 166 (4800 bps)	X	X	X
(S) FIPS 167 (9600 bps)	X	X	X
(S) FIPS 168 (12000 and 24000 bps)	X	X	X
(S) FIPS 169 (Error Correction in Modems)	X	X	X
(S) FIPS 170 (Data Compression in Modems)			

(G) Guideline (P) Procedure (S) Standard

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ATTACHMENT J-10

SAFETY AND HEALTH PLAN

(To be submitted after contract award)

ATTACHMENT J-11

ACRONYMS AND ABBREVIATIONS

μGL	Microgravity Laboratory
A/G	Air to Ground
AADSF	Advanced Automated Directional Solidification Furnace
AC	Action Center
ACO	Administrative Contracting Officer
AD&SC	Attitude Determination and Sensor Calibration
ADP	Automated Data Processing
ADPE	Automatic Data Processing Equipment
AFD	Aft Flight Deck
AI	Analog In
AI	Artificial Intelligence
AIS	Automated Information Security
AMAG	Magnetic Field Vector Simulator
AMO	AXAF Mission Operations
AO	Analog Out
AOS	Acquisition of Signal
APCG	Advanced Protein Crystal Growth
APID	Application Process Identifier
APP	Application
APS	Alternate Payload Specialist
APS	Automated Procurement System
AR	Action Request
ASA	Administrative Support Area
ASC	AXAF Science Center
ASCII	American Standard Code for Information Interchange
ASRS	Automated Support Requirements System
ATP	Acceptance Test Procedure
ATP	Authority To Proceed
ATTN	Attention
A/V	Audio/Video
AVS	Audio/Video Studio
AXAF	Advanced X-Ray Astrophysics Facility
B&P	Bid & Proposal
BAFO	Best And Final Offer
BARCO	BARCO, Inc.
BCD	Binary Coded Decimal
BCSS	Boeing Computer Support Services
BFS	Basis For Selection
BOD	Beneficial Occupancy Date

BPDU	Bitstream Protocol Data Unit
bps	Bits Per Second
C&DH	Control & Data Handling
C & W	Caution & Warning
C/S	Control and Status Subsystem Control/Status
CAD	Computer Aided Design
CADU	Channel Access Data Unit
CAGE	Commercial And Government Entity
CALS	Computer-Aided Acquisition & Logic Support
CANDD	Control and Display
CAP	Command Acceptance Pattern
CAPCOM	Capsule Communicator
CAS	Cost Accounting Standards
CASB	Cost Accounting Standards Board
CAVE	Computer and Virtual Environments
CB	Competitive Bid
CBA	Collective Bargaining Agreement
CBT	Computer Based Training
CBTA	Computer Based Training Area
CCB	Configuration Control Board
CCBD	Change Control Board Directive
CCC	Concurrent Computer Corporation
CCC	Certificate Of Current Cost
CCC	Consolidated Control Center
CCITT	Consultative Committee for International Telegraph & Telephone
CCP	Central Command Processor
CCSDS	Consultative Committee for Space Data Services
CCTV	Closed Circuit Television
CD	Command and Display
CD	Contractual Data
CD	Compact Disc
CD-ROM	Compact Disc-Read Only Memory
CDA	Common Data Area
CDB	Command Data Base
CDB	Common Data Buffer
CDC	Central Distribution Center
CDC	Compunetix Digital Conferencing
CDD	Common Data Dictionary
CDMS	Command and Data Management System
CDR	Critical Design Review
CDRM	Center Data Requirements Manager
CDS	Central Distribution System
CDT	Central Daylight Time
CDT	Configuration Data Table

CFR	Code Of Federal Regulations
CGF	Crystal Growth Facility
CGM	Computer Graphics Metafile
CGS	Columbus Ground System
CGSI	Columbus Ground System Infrastructure
CHW	Command Header Word
ChUI	Character User Interface
CI	Continuous Improvement
CIC	Crew Interface Coordinator
CIESIN	Consortium for International Earth Science Information Network
CM	Configuration Management
CMATS	Configuration Management Asset Tracking System
CMD	Command
CMIS	Computer Management Information System
CMP	Computation
CMS	Computational Mission Services
CNT	Countdown Time
CO	Contracting Officer
COBI	Communications Buffer Interface
COM	Cost of Money
COTR	Contracting Officer's Technical Representative
COTS	Commercial-Off-The-Shelf
CP	Central Processor
CPAF	Cost Plus Award Fee
CPE	Control Processing Electronics
CPE	Crew Procedure Engineer
CPE	Change Package Engineer
CPS	Central Processing System
CRP	Cost Reduction Proposal
CRT	Cathode Ray Tube
CS	Communication System
CSA	Canadian Space Agency
CSC	Computer Sciences Corporation
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSMAC	Communication System Monitoring and Control
CSR	Customer Support Room (JSC)
CSS	Columbus Simulation Software
CSS	Command System Services
CTTS	Command and Telemetry Transport System
CUI	Common User Interface
CVCDU	Coded Virtual Channel Data Unit
CVPP	Command Validation Peripheral Processor
CWA	Conference Work Area
CWA	Communication Workers Of America

DAAC	Distributed Active Archive Center
DACON	Data Control Engineer
DADS	Data Archive and Distribution System
DAR	Deviation/Waiver Approval Request
DARL	Database Access Routine Library
DAT	Digital Audio Tape
DB	Database
DBM	Data Base Manager
DBS	Database Services
DCL	DEC Command Language
DCL	Document Change Log
DCN	Document Change Notice
DCR	Database Change Request
DDS	Data Dictionary Systems
DDS	Data Distribution System
DDS	Data Display System
DDS	Data Display Station
DDSE	Data Display System Emulation
DDU	Data Display Unit
DEC	Digital Equipment Corporation
DEC	Declination
DELNI	Digital Equipment Local Network Interface
DEMOS	Distributed Earth Model and Orbiter Simulation
DEP	Dedicated Experiment Processor
DEV	Development
DI	Discrete Input
DIM	Data Interface Module
DISP	Display
DMC	Database Monitor and Control
DMC	Data Management Coordinator
DMS	Data Management Systems
DMSCB	Data Management System Control Board
DMSP	Defense Meteorological Satellite Program
DMT	Data Management Team
DOC	Document
DOD	Department of Defense
DODISS	DOD Index of Specifications and Standards
DOT	Detailed Operations Timeline
DOTS	Data Order and Tracking System
DPA	Data Phone Adapter
DPAS	Defence Priorities and Allocations System
DPD	Data Procurement Document
DPG -	Data Packet Generator -
DQM	Data Quality Monitoring

DR	Data Reduction
DRD	Data Requirements Description
DRL	Data Requirements List
DRS	Data Relay Satellite
DS	Disclosure Statement
DSCG	Data Systems Coordination Group
DSN	Design
DSN	Deep Space Network
DSP	Display Services
DSS	Data Storage System
DTA	Data Trunk Adapter
DTE/DCE	Data Terminal Equipment/Data Communication Equipment

E	East
EAD	Equipment Acquisition Document
EC	Experiment Computer
EC	European Community
ECAS	Experiment Computer Application Software
ECIO	Experiment Computer Input/Output
ECOM	EOS Communications
ECOS	Experiment Computer Operating System
ECP	Engineering Change Proposal
ECR	Engineering Change Request
ECR	Engineering Console Room
ECS	EOSDIS Core System
EDC	EROS Data Center
EDI	Electronic Data Interchange
EDOS	EOS Data and Operations System
EEO	Equal Employment Opportunity
EGSE	Electrical Ground Support Equipment
EHASA	Enhanced HOSC Administrative Software Account
EHS	Enhanced HOSC System
EM	Exception Monitoring
EMCS	Enhanced Mission Communications Systems
EMDB	Exception Monitoring Data Base
ENV	Orbiter Environment Model
EOQ	Economic Order Quantity
EOS	Earth Observing System
EOSDIS	EOS Data and Information System
EPDB	Electrical Power Distribution Box
EPDS	Electrical Power Distribution System
EPSP	Electrical Power Switching Panel
ER	Engineering Request
ERC	Engineering Research Consultants
ERD	Experiment Requirements Document

ERDS	Experiment Rate Data Switch
EROS	Earth Resources Observation System
ESA	European Space Agency
ESC	Engineering Support Center
ESDIS	Earth Science Data and Information System
ESE	Experiment Support Equipment
ESIS	Earth Science Information System
ESN	EOSDIS Science Network
ESOC	ESA Science Operations Center
ESRD	Experiment Simulator Requirements Document
ESS	Experiment Scheduling software
ESTL	Electronic Simulation Test Laboratory
ET	External Tank
ETDS	Enhanced Timing Distribution System
EVT	Event Time
FAO	Flight Activity Officer
FAR	Federal Acquisition Regulation
FAX	Facsimile
FCO	Field Change Orders
FD	Flight Director
FDDI	Fiber Distributed Data Interface
FDK	Frame Developer's Kit
FDO	Fee Determination Official
FEP	Front End Processor
FFP	Firm Fixed Price
FIP	Federal Information Processing
FIPS	Federal Information Processing Standards
FIRMR	Federal Information Resources Management Regulation
FLSA	Fair Labor Standards Act
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
FOB	Free On Board
FOIA	Freedom Of Information Act
FOT	Flight Operations Team
FOV	Field of View
FRF	Flight Readiness Firing
FRIP	Functional Requirements Implementation Plan
FS	Frame Synchronizer
FSMF	Flight Software Maintenance Facility
FTE	Full Time Equivalent
FTP	File Transfer Protocol
FUI/SUI	Federal/State Unemployment Insurance
G&A	General & Administrative
GAO	Government Accounting Office

GB	Gigabytes
GBL	Government Bills of Laden
GBX	Glovebox
GCEL	Ground Controlled Experiment Laboratory
GCIP	Global Continental-scale International Project
GDS	GeoMet Data Service
GEWEX	Global Energy and Water Cycle Experiment
GFE	Government-Furnished Equipment
GFP	Government-Furnished Property
GIF	Graphics Interchange Format
GMT	Greenwich Mean Time
GN&C	Guidance, Navigation, and Control
GPC	General Purpose Computer
GPS	Global Positioning System
GPU	General Purpose Utilities
GSA	General Services Administration
GSBCA	GSA Board of Contract Appeals
GSFC	Goddard Space Flight Center
GSS	Ground Support System
GTSG	Generic Telemetry Stream Generator
GUI	Graphical User Interface
HAPS	HOSC Advance Planning System
HASA	HOSC Administrative Software Application
HASS	HOSC Activity Scheduling System
HCCD	HOSC Configuration Control Document
HCR	HOSC Change Request
HCR	HOSC Configuration Request
HCS	Host Computer System
HBK	Handbook
HDAAWG	Hydrologic cycle Data Access and Archive Working Group
HDBK	Handbook
HDF	Hierarchical Data Format
HDR	High Density Recorder
HDRR	High Data Rate Recorder
HDRS	High Data Rate System
HDRS	High Data Rate Switch
HDSST	HOSC Data System Support Tool
HDWE	Hardware
HFD	HOSC Facility Document
HLOG	HOSC Automated Logging System
HMCG	HOSC Management Coordination Group
HOCG	HOSC Operations Coordination Group
HOH	HOSC Operations Handbook
HOSC	Huntsville Operations Support Center

HP	Hewlett-Packard
HPGL	Hewlett-Packard Graphic Language
HPR	HOSC Problem Report
HRDM	High Rate Demultiplexer
HRDS	High Data Rate System
HRM	High Rate Multiplexer
HRTS	HOSC Requirements Tracking System
HRZ	Horizon
HRZS	Horizon Sensors
HSI	Hardware/Software Integration
HSR	HOSC Support Request
HST	Hubble Space Telescope
HTAL	HOSC Technology Assessment Laboratory
HTTP	Hypertext Transfer Protocol
HUA	HOSC User Assistance
HVAC	Heating, Ventilation, and Air Conditioning
HViDS	HOSC Video Distribution System
HVoDS	HOSC Voice Distribution System
HWCI	Hardware Configuration Item
Hz	Hertz

I&PS	Institutional & Program Support
I/O	Input/Output
LAN	Institutional Area Network
ICD	Interface Control Document
ID	Identification
ID/IQ	Indefinite Delivery/Indefinite Quantity
IGS	Interconnected Ground System
ILS	Integrated Logistics Support
IML	International Microgravity Laboratory
IMPL	Implementation
IMS	Information Management System
INCO	Instrumentation and Communications Officer
IOC	Input/Output Controller
IOP	Integrated Operations Plan
IOS	Instructor Operator Station
IP&CL	Integrated Payload and Command List
IPRD	Integrated Payload Requirements Document
IPS	Instrument Pointing System
IRIG	Interrange Instrumentation Group
ISAM	Indexed Sequential Access Method
ISO	Information Systems Office
ISS	International Space Station
ISS	Interface and Support Software
ISSA	International Space Station Alpha

IST	Integrated Support Team
IST	IPS Stellar Mode
ITS	Information Technology Security
IUS	Inertial Upper Stage
IV&V	Independent Verification and Validation
JDQ	Job Description /Qualification
JIS	Joint Integrated Simulation
JNV	Second Version of ENV
JOIP	Joint Operations and Integration Procedures
JPL	Jet Propulsion Laboratory
JSC	Johnson Space Center
kbps	Kilo-bits-per-second
keV	Kilo Electron Volt
KSC	Kennedy Space Center
LAMMIS	Labor And Machine Management Information System
LAN	Local Area Network
LaRC	Langley Research Center
LeRC	Lewis Research Center
LIEF	Launch Information Exchange Facility
LIS	Lightning Imaging Sensor
LLL	OMB Standard Form, Disclosure of Lobbying Activities
LOC	Lines of Code
LOE	Last Occurrence Error
LOS	Loss of Signal
LOT	Line Organization Training
LPS	Launch Processing System
LS	Logistics/Support
LSA	Labor Surplus Area
LSIS	Loral Space Information Systems
LTE	Local Table Edit
LTIS	Loral Test and Instrumentation Systems
MA	Management
MAC	Mission Action Center
MAC	MacIntosh (computer)
MAF	Michoud Assembly Facility
MB	Megabytes
MBF	Mission Built Facility
Mbps	Mega-bits per second
MCB	Management Control Board
MCC	Mission Control Center
MCD	Mission Configuration Document

MCS	Mission Configuration Supplement
MCIDAS	Man-Computer Interactive Data Access System
MDA	Mission Database Application
MDC	Microgravity Development Complex
MDM	Multiplexer/Demultiplexer
MECO	Main Engine Cut Off
MER	Mission Evaluation Room
MET	Mission Elapsed Time
MGL	Microgravity Laboratory
MH	Message Handler
MIB	Management Information Base
MICS	MGL Integrated Communications System
MIDDS	Meteorological Interactive Data Display System
MIL STD	Military Standard
MIMR	Multifrequency Imaging Microwave Radiometer
MINI	Minicomputer
MIPS	Mission Integrated Planning Systems
MIS	Management Information System
MMA	Mission Manager Area
MMI	Marshall Management Instruction
MMU	Mass Memory Unit
MNL	Manual
MO	Middeck Outlet
MOA	Memorandum of Agreement
MOC ³	Mission Operations Centralized Communications Control
MOL	Mission Operations Laboratory
MON	Monitor
MPDU	Multiplexed Protocol Data Unit
MPE	Mission Peculiar Equipment
MPS	Mission Planning Systems
MPSS	Mission Planning & Scheduling System
MPSR	Multi-Purpose Support Room
MRTS	Marshall Redundant Transmission System
MS	Mission Specialist
MS	Mission Scientist
MSFC	Marshall Space Flight Center
MSID	Measurement Stimulus Identifier
MSIL	Man Systems Integration Laboratory
MSS	Mass Storage Subsystem
MSU	Mass Storage Unit
MSU	Microwave Sounding Unit
MT	Magnetic Tape
MTL	Master Time Line
MTU	Master Timing Unit
MUP	Middeck Utility Panel

MVO	Mission Verification and Operations
μGL	Microgravity Laboratory
N	North
NAC	National Agency Check
NAFTA	North American Free Trade Agreement
NAL	Noise Analysis Laboratory
NASA	National Aeronautics and Space Administration
NASCOM	NASA Communications (Network)
NASDA	National Space Development Agency of Japan
NDL	Near Real-Time Data Logging
NEMS	NASA Equipment Management System
NewLAN	New Institutional Area Network
NFS	NASA FAR Supplement
NHB	NASA Handbook
NLRB	National Labor Relations Board
NMI	NASA Management Instruction
NMS	Network Management System
NOAA	National Oceanographic and Atmospheric Administration
NRT	Near Real-Time
NSIDC	National Snow and Ice Data Center
NTI	New Technology, Incorporated
NTP	Network Time Protocol
NTSC	National Television System Committee
O & IA	Operations & Integration Agreement
OA	Operations Analyst
OBC	On-Board Computer
OC	Operations Control
OCC	Operations Control Center
OCDB	Operational Command Database
OCMS	Operations Control Mission Software
OCR	Optical Character Recognition
OCR	Operations Change Request
OCT	Operator Control Task
OD	Orbiter Downlink
OD	Operations Directive
ODB	Operations Database
ODC	Other Direct Cost
ODE	Off-line Data Elements
ODM	Organization Data Manager
OF	Official File
OFD	Orbiter Flight Data
OFLS	Off-Line System

OFPP	Office of Federal Procurement Policy
OI	Operational Instrumentation
OMB	Office of Manpower and Budget
OMIS	Operations Management Information System
OMS	Orbiter Maneuvering System
ONLS	On-Line System
OP	Mission Operations
OPR	Office Of Primary Responsibility
OPS	Orbital Planning Software
OR	Observation Request
OR	Operations Requirement
OR/OD	Operations Requirements/Operations Directive
ORNL	Oak Ridge National Laboratory
ORR	Operational Readiness Review
OS	Operating System
OSHA	Occupational Safety and Health Administration
OST	Operations Support Team
OUCD	Operations and Utilization Capability Development
OV	Orbital Verification

PAO	Public Affairs Office
PAP	Payloads Activity Planner
PAYCOM	Payload Command Controller
PC	Personal Computer
PCA	Payload Control Area
PCAP	Payload Crew Activity Plan
PCCD	PCTC Communications Control Document
PCD	POCC Capabilities Document
PCM	Pulse Coded Modulation
PCMMU	Pulse Coded Modulation Master Unit
PCN	Program Control Number
PCTC	Payload Crew Training Complex
PD	Program Development
PDA	Procedure Development Area
PDC	Procedure Development Capability
PDI	Payload Data Interleaver
PDR	Playback Data Request
PDR	Preliminary Design Review
PDRF	Payload Data Request Form
PDRF	Payload Data Requirements Form
PDRF	Playback Data Request Form
PDSS	Payload Data Services System
PEB	Performance Evaluation Board
PED	Payload Experiment Developmenter
PFDF	Payload Flight Data File

PGS	Product Generation System
PGSC	Payload General Support Computer
PI	Principal Investigator
PICBLOC	Picture Block of Nine TV Monitors
PIMS	Payload Information Management System
PIRN	Preliminary Interface Revision Notice
PLPS	Presentation Level Protocol Syntax
PLR	Payload Recorder
PLSS	Payload Status Simulator
PM	Performance Management
PM	Post Meridian
PM	Preventive Maintenance
PMIC	Payload Mission Integration Contractor
PMIS	Payload Management Information System
PMM	Payload Mission Manager
PMT	Payload Management Team
POC	Point Of Contact
POCC	Payload Operations Control Center
POD	Payload Operations Director
POIC	Payload Operations and Integration Complex
POIF	Payload Operations Integration Function
POP	Period Of Performance
POP	Point of Presence
POP	Program Operating Plan
POSG	PCTC Operations Support Group
POSH	PCTC Operations Support Handbook
PP	Peripheral Processor
PPM	Principal Periods of Maintenance
PPO	Payload Project Office
PPS	Peripheral Processor System
PPS	Payload Planning System
PR	Problem Reporting
PRD/PSP	Program Requirements Document/Program Support Plan
PRL	Page Revision Log
PROC	Procedure
PrISMS	Program Information Systems Mission Services
PS	Payload Specialist
PSCN	Program Support Communications Network
PSE	Payload Systems Engineer
PSIF	Payload Software Integration Facility
PSM	PDSS System Manager
PSP	Payload Signal Processor
PSSCB	Planning Systems Software Control Board
PTC	Payload Training Capability
PURF	PCTC User Request Form

PViDS	PCTC Video Distribution System
PVoDS	PCTC Voice Distribution System
PYRO	Pyrotechnic
R&R	Requirements and Resources
RA	Right Ascension
RAPS	Remote Area for Payload Support
RAU	Remote Acquisition Unit
RCC	Range Commanders Council
RCC	Revision Control Center
RCM	RUG Common Manager
RCS	Reactive Control System
RDB	Reference Data Base
RDBMS	Relational Database Management System
REPP	Relevant Experience And Past Performance
RF	Radio Frequency
RF	Reading File
RFP	Request for Proposal
RID	Review Item Discrepancy
RIW	Record Identification Word
RM	Remedial Maintenance
RODS	Remote Operations Data System
ROM	Read-Only Memory
RQMT	Requirement
RPS	Retrieval Processing System
RR	Replanning Request
RSA	Russian Space Agency
RTC	Real-Time Clock
RTI	Real-Time Interface
RTIS	Real-Time Interface System
RTS	Requirements Tracking System
RUG	Remote User Gateway

S	South
S&E	Science and Engineering
SA	Safety
SA	Serial Analog
SAA	South Atlantic Anomaly
SAFiRE	Sensing and Force Reflecting Exoskeleton
SAIL	Systems Analysis and Integration Laboratory
SAO	Smithsonian Astrophysics Observatory
SAR	Synthetic Aperture Radar
SBA	Small Business Administration
SC	Subsystem Computer
SCA	Service Contract Act

SCAS	Subsystem Computer Application Software
SCF	Science Computing Facility
SCIO	Subsystem Computer Input/Output
SCN	Specification Change Notice
SCNT	Simulated Countdown Time
SCOS	Subsystem Computer Operating System
SCR	Strip Chart Recorder
SCR	Science Conference Room
SCS	System Configuration Switch
SCSI	Small Computer Systems Interconnect
SDB	Small Disadvantaged Business
SDC	Simulation Director's Console
SDF	Software Development Facility
SDFS	Spacelab Data Flow System
SDPF	Sensor Data Processing Facility
SE	System Engineering
SEB	Source Evaluation Board
SEB/C	Source Evaluation Board/Committee
sec.	Second (time)
SEC	Source Evaluation Committee
SEVT	Simulated Event Time
SF	Standard Form
sf	Square Feet
SFR	System Function Review
SGI	Silicon Graphics, Inc.
SGMT	Simulated Greenwich Mean Time
SGS	Scene Generation System
SI	Science Instruments
SI	Serial Input
SIC	Standard Industrial Classification
SID	Serial Identification
SIDR	Serial Input Data Request
SIM	Simulation
SIT	Shuttle Interface Test
SL	Spacelab
SLOC	Source Lines of Code
SLS	Spacelab Systems Simulator
SM	Statistical Multiplexer
SMA	Science Monitoring Area
SMAC	System Monitor and Control
SMET	Simulated Mission Elapsed Time
SMR	Software Move Request
SMS	Shuttle Mission Simulator
SNMP	Simple Network Management Protocol
SOA	Science Operations Area

SOC	Standard Occupational Code
SOPG	Science Operations Planning Group
SOW	Statement of Work
SPAN	Spacecraft Analysis Room
SPO	Shuttle Project Office
Sr.	Senior
SRAU	Simulated Remote Acquisition Unit
SRB	Solid Rocket Booster
SRD	System Requirements Document
SRS	Software Requirements Specification
SS	Sole Source
SS&EA	Spacecraft Support and Engineering Analysis
SSCC	Space Station Control Center(JSC)
SSFF	Space Station Furnace Facility
SSI	Standard Serial Interface
SSL	Space Sciences Laboratory
SSME	Space Shuttle Main Engine
SSM/I	Special Sensor Microwave/Imager
SSM/T	Special Sensor Microwave/Temperature
SSO	Source Selection Official
SSP	Space Station Program
SSRID	Science Software Requirements and Integration Document
SSTF	Space Station Training Facility
STD	Standard
STDS	Standards
STP	Short Term Plan
STS	Space Transportation System
SYSCON	Systems Configuration Controller

TA	Antenna Temperature
TAGS/TPR	Text and Graphics/Teleprinter
TASP	Test and Simulation Processor
TASSEI	Telemetry Acquisition Services Systems Engineering and Integration
TAT	Training Assessment Team
TB	Terabytes
TCC	Time Code Converter
TCDT	Terminal Countdown Demonstration Test
TCF	Technical Control Facility
TCP/IP	Transmission Control Protocol/Internet Protocol
TCR	Training Control Room
TDB	Telemetry Data Base
TDM	Time Division Multiplexed
TDMS	Terminal Display Management System
TDRS	Tracking and Data Relay Satellite
TDRSS	Tracking and Data Relay Satellite System

TDS	Time Distribution System
TEL	Telephone
TIFF	Tagged Image File Format
TIN	Taxpayer Identification Number
TLDR	Top Level Design Review
TLM	Timeline Maintenance
TLPREP	Timeline Preparation
TM	Time Management
TMN	Timeline Monitor
TMS	Transport Management System
TNS	Telemetry and Network Services
TOES	Telephone Order Entry System
TPOCC	Transportable POCC
TPR	Teleprinter
Tr.	Trailer (Movable Office Unit)
TRIMM	TRIMM, Industries
TRMM	Tropical Rainfall Measuring Mission
TSDIS	TRMM Science Data and Information System
TSS	Tethered Satellite System
TST	Technical Support Team
TV	Television

UAD	User Assistance Desk
UDC	Utilization Development Capability
UDE	User-Generated Data Elements
UDE	User Defined Element
UDS	Universal Documentation Systems
UMS	Utilization Mission Support
UOA	User Operations Area
UOF	User Operations Facility
UOH	UOF Operations Handbook
URL	User Resource Locator
US	United States
USC	United States Code
USERID	User Identification
USOC	United States Operations Center
USSR	United Soviet Socialist Republic
UTA	User Telemetry Application
UTC	Utilization Training Capability
UTD	User Terminal Device

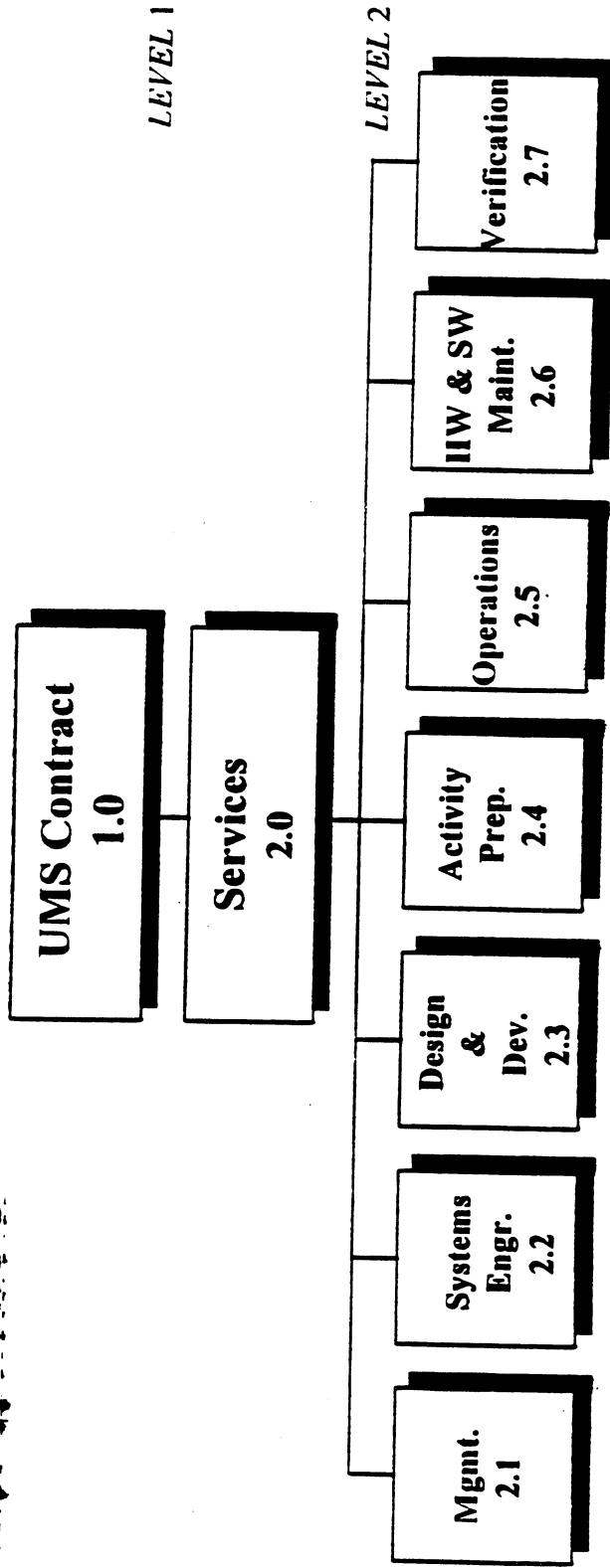
V&V	Verification & Validation
V-RUG	Virtual RUG
VAL	Validation
VAS	Video Analog Switch

VCDU	Virtual Channel Data Unit
VCID	Virtual Channel Identifier
VCRS	Video Cassette Recorder System
VCU	Video Control Unit
VICOS	Verification Integration and Check-out Software
VID	Video Analog Switch Display
VITR	Video Instrumentation Tape Recorder
VMS	Virtual Memory System
VR	Verification
VRR	Validation Readiness Review
VSG	Verification Stream Generator
VT	Video Tape
VTCC	Video Teleconferencing Control Center
VTR	Video Tape Recorder
W	West
WAIS	Wide Area Information System
WBS	Work Breakdown Structure
WCCS	Wireless Crew Communications System
WCP	Workstation Command Processor
WD	Wage Determination
WORM	Write Once/Read Many
WPS	Workstation Presentation Services
W/S	Work Station
WSC	White Sands Complex
WSI	Weather Service Incorporated
WSTF	White Sands Test Facility
WWW	World Wide Web
XTLM	Exception Timeline Maintenance
XTMN	Exception Timeline Monitoring
YCPF	Yellow Creek Production Facility
ZWC	Zero Word Count

ATTACHMENT J-12

WORK BREAKDOWN STRUCTURE

Work Breakdown Structure



(To be supplied by offeror)

LEVEL 3

WORK BREAKDOWN STRUCTURE (WBS) DICTIONARY

1.0 UMS CONTRACT

This WBS element provides for all management of mission services required to meet the requirements of the Mission Operations Laboratory (MOL) and its customers. Included services are program management, systems engineering, design and development, activity preparation, operations, hardware and software maintenance, and verification as required to support the Huntsville Operations Support Center and related systems; the Payload Crew Training Complex (PCTC)/Utilization Development Capability (UDC); and the Distributed Active Archive Center (DAAC).

2.0 UMS SERVICES

This WBS element provides for the services required to fulfill this contract.

2.1 PROGRAM MANAGEMENT

This WBS element provides for the program management of all UMS services and functions.

2.2 SYSTEMS ENGINEERING

This WBS element provides for systems engineering for upgrades and new requirements to existing systems and for new systems to be implemented. The systems engineering activities involve requirements development, system analysis, integrated planning, and system sustaining engineering.

2.3 DESIGN AND DEVELOPMENT

This element involves the design and development of systems, hardware, and software for upgrades, new requirements, mission specific requirements, and new programs.

2.4 ACTIVITY PREPARATION

This element provides for the requirements analysis, scheduling, facility configuration, and database and software integration for operations activities including missions, simulations, and training sessions.

2.5 OPERATIONS

This element provides for the operation, management and operations team training for computer and communication systems used in testing, real-time and simulation activities.

2.6 HARDWARE AND SOFTWARE MAINTENANCE

This element provides for the maintaining in a fully operational condition the hardware and software systems. Maintenance is performed for preventive, remedial, and sustaining purposes.

2.7 VERIFICATION

This element provides for the establishment of a verification program and the performance of verification and acceptance testing for upgrades and new systems.